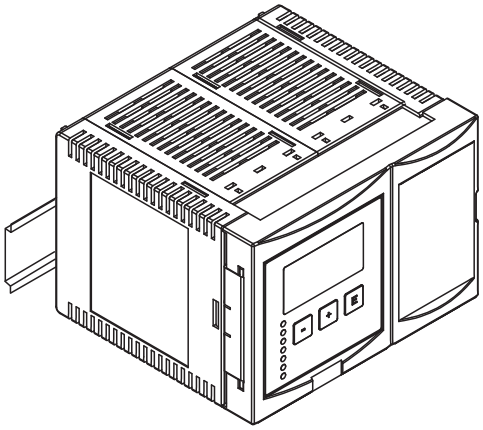
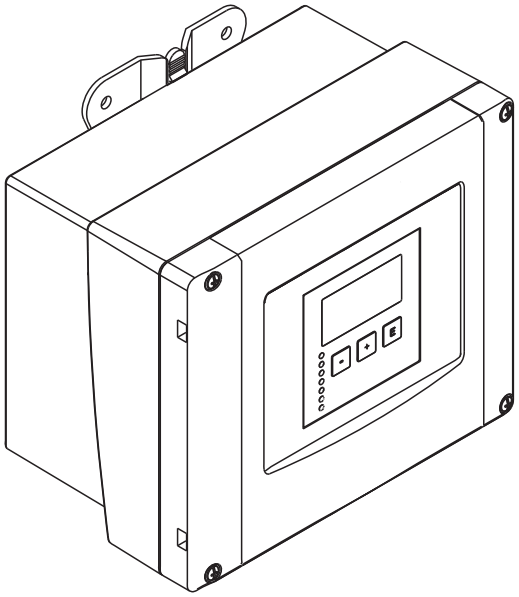
Level Pressure Flow Temperature Liquid Analysis Registration Systems Components Services Solutions

Operating Instructions

Prosonic S FMU90

Slot-Index Lists for PROFIBUS DP





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71164427

Endress+Hauser

People for Process Automation

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1 Introduction

This document comprises the Slot-Index tables for all user parameters of the Prosonic S.
The parameters are arranged according to the function blocks of the Prosonic S. All function blocks containing user parameters are taken into account. Some of these blocks are not available in every version of the instrument.

For each block, there is a list of instances. A slot number and a start index is given for each instance. The structure of each block is only given once. This structure is valid for all instances of the respective block.

2 Slot-Index Lists

2.1 Resource Block (RB)

2.1.1 Instances

Instance	Slot	Index
1	0	16

2.1.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	RBTargetMode	-	0	21	1	Unsigned8	Auto, OOS	8 ... 8	0	-	RW	static
code	RBLockingCode	DX104	0	34	2	Unsigned16	Auto, OOS	0 ... 65535	2457	-	RW	non-vol.
reset	RBResetCode	DX104	0	35	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic
ident number	RBIdentNumberSelector	OXC11	0	40	1	Unsigned8	Auto, OOS	0 : profile 1 : manufacturer	manufac-turer	-	RW	static
instrument addr.	RBDeviceBusAddress	OXC01	0	59	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	non-vol.
profile version	RBPAProfileRevision	OXC01	0	64	32	VisibleString	Auto, OOS	32	3.0	-	RO	const
device name	RBDeviceName	CX901	0	90	16	VisibleString	Auto, OOS	16	PROSO-NIC S FMU90	-	RW	static
device family	RBDeviceFamily	CX901	0	91	16	VisibleString	Auto, OOS	16	FMU9x	-	RW	static
order code	RBOrderCode	-	0	92	24	VisibleString	Auto, OOS	24	FIELD-TEST	-	RW	static
serial no.	RBSerienNr	CX901	0	93	16	VisibleString	Auto, OOS	16	————————	-	RW	static
software version	RBSWVersion	CX901	0	94	16	VisibleString	Auto, OOS	16	————————	-	RO	dyna-mic
comunicat. type	RBCOMVersion	-	0	95	1	Unsigned8	Auto, OOS	0 : HART 1 : Profibus DP 2 : Profibus PA 3 : FF 4 : Ethernet	Profibus DP	-	RO	non-vol.
date of product.	RBProductionData	-	0	96	10	VisibleString	Auto, OOS	10	————	-	RW	static
dev. rev.	RBDeviceRevision	IX107	0	97	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	non-vol.
device marking	RBDeviceTag	-	0	98	32	VisibleString	Auto, OOS	32	———————— ———————— ————	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
distance unit	RBDistanceUnit16	DX019	0	99	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	–	RW	static
temperature unit	RBTemperatureUnit16	DX01A	0	100	2	Unsigned16	Auto, OOS	1001 : –°C 1002 : –°F	–°C	–	RW	static
no.of decimals	RBNrOfDecimalsUpTo3	DX212	0	101	1	Unsigned8	Auto, OOS	0 : x 1 : x.x 2 : x.xx 3 : x.xxx	x.xx	–	RW	static
operating mode	RBOperationMode	DX01B	0	102	2	Unsigned16	Auto, OOS	30001 : level 30002 : level + flow 30003 : flow 30004 : flow+backwater	level	–	RW	static
controls	RBControl	DX01C	0	103	2	Unsigned16	Auto, OOS	30005 : no 30006 : pump control 30007 : rake control	no	–	RW	static
status	RBStatusLocking	DX104	0	104	1	Unsigned8	Auto, OOS	0 : switch locked 1 : key locked 2 : code locked 3 : unlocked 4 : service unlock 5 : debug unlocked 6 : WHG locked 7 : SIL locked 8 : PM temp locked 9 : PM perm locked 10 : SM temp locked 11 : SM perm locked 12 : upload active 13 : downl. active 14 : WHG/SIL lock.	unlocked	–	RO	dyna-mic
operation hours	RBOpHourCounter_h	IX403	0	106	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RO	dyna-mic
uptime	RBUpTimeStr	S0040	0	107	10	VisibleString	Auto, OOS	10	0.000000	–	RO	dyna-mic
reset errorlist	RBClearErrorList	S0140	0	108	1	Unsigned8	Auto, OOS	0 : keep 1 : erase	keep	–	RW	dyna-mic
build number	RBBuildNumber	S0040	0	109	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
DD version	RBDD_REV	IX108	0	110	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 1	RBActualError1	–	0	111	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 2	RBActualError2	–	0	112	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 3	RBActualError3	–	0	113	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 4	RBActualError4	–	0	114	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 5	RBActualError5	–	0	115	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
actual error 6	RBActualError6	–	0	116	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 7	RBActualError7	–	0	117	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 8	RBActualError8	–	0	118	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 9	RBActualError9	–	0	119	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
actual error 10	RBActualError10	–	0	120	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	dyna-mic
last error 1	RBLastError1	–	0	121	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 2	RBLastError2	–	0	122	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 3	RBLastError3	–	0	123	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 4	RBLastError4	–	0	124	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 5	RBLastError5	–	0	125	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 6	RBLastError6	–	0	126	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 7	RBLastError7	–	0	127	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 8	RBLastError8	–	0	128	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 9	RBLastError9	–	0	129	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
last error 10	RBLastError10	–	0	130	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RO	non-vol.
startdelay relay	RBDelayTimePowerOn	AX109	0	132	2	Unsigned16	Auto, OOS	0 ... 300	5	s	RW	static
card1 name	RBCard1Name	S0050	0	169	23	VisibleString	Auto, OOS	23	———	–	RO	static
card1 serial no	RBCard1SerialNo	S0050	0	170	16	VisibleString	Auto, OOS	16	———	–	RO	static
card1 hwversion	RBCard1HardwareVersion	S0050	0	171	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	static
card1 hwrev	RBCard1HardwareRevision	S0050	0	172	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	static
card2 name	RBCard2Name	S0050	0	173	23	VisibleString	Auto, OOS	23	———	–	RO	static
card2 serial no	RBCard2SerialNo	S0050	0	174	16	VisibleString	Auto, OOS	16	———	–	RO	static
card2 hwversion	RBCard2HardwareVersion	S0050	0	175	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	static
card2 hwrev	RBCard2HardwareRevision	S0050	0	176	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
card3 name	RBCard3Name	S0050	0	177	23	VisibleString	Auto, OOS	23	———	-	RO	static
card3 serial no	RBCard3SerialNo	S0050	0	178	16	VisibleString	Auto, OOS	16	———	-	RO	static
card3 hwversion	RBCard3HardwareVersion	S0050	0	179	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card3 hwrev	RBCard3HardwareRevision	S0050	0	180	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card4 name	RBCard4Name	S0050	0	181	23	VisibleString	Auto, OOS	23	———	-	RO	static
card4 serial no	RBCard4SerialNo	S0050	0	182	16	VisibleString	Auto, OOS	16	———	-	RO	static
card4 hwversion	RBCard4HardwareVersion	S0050	0	183	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card4 hwrev	RBCard4HardwareRevision	S0050	0	184	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card5 name	RBCard5Name	S0050	0	185	23	VisibleString	Auto, OOS	23	———	-	RO	static
card5 serial no	RBCard5SerialNo	S0050	0	186	16	VisibleString	Auto, OOS	16	———	-	RO	static
card5 hwversion	RBCard5HardwareVersion	S0050	0	187	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card5 hwrev	RBCard5HardwareRevision	S0050	0	188	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card6 name	RBCard6Name	S0050	0	189	23	VisibleString	Auto, OOS	23	———	-	RO	static
card6 serial no	RBCard6SerialNo	S0050	0	190	16	VisibleString	Auto, OOS	16	———	-	RO	static
card6 hwversion	RBCard6HardwareVersion	S0050	0	191	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card6 hwrev	RBCard6HardwareRevision	S0050	0	192	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card7 name	RBCard7Name	S0050	0	193	23	VisibleString	Auto, OOS	23	———	-	RO	static
card7 serial no	RBCard7SerialNo	S0050	0	194	16	VisibleString	Auto, OOS	16	———	-	RO	static
card7 hwversion	RBCard7HardwareVersion	S0050	0	195	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card7 hwrev	RBCard7HardwareRevision	S0050	0	196	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card8 name	RBCard8Name	S0050	0	197	23	VisibleString	Auto, OOS	23	———	-	RO	static
card8 serial no	RBCard8SerialNo	S0050	0	198	16	VisibleString	Auto, OOS	16	———	-	RO	static
card8 hwversion	RBCard8HardwareVersion	S0050	0	199	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static
card8 hwrev	RBCard8HardwareRevision	S0050	0	200	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
download mode	RBDownloadMode	–	0	206	1	Unsigned8	Auto, OOS	0 : parameter only 1 : param+cust.map 2 : mapping only	parameter only	–	RW	dyna-mic
modem sync	RBSyncGSMModem	S0140	0	212	1	Unsigned8	Auto, OOS	0 : off1 : on	off	–	RW	static
device marking	RBDeviceTag23	DX102	0	237	23	VisibleString	Auto, OOS	23	_____ _____	–	RW	static
order code	RBOrderCode23	CX901	0	238	23	VisibleString	Auto, OOS	23	_____ _____	–	RW	static
copy of	RBCopyLevelSrc	–	0	242	2	Unsigned16	Auto, OOS	30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10	level 1	–	RW	static
paste to	RBCopyLevelDest	–	0	243	2	Unsigned16	Auto, OOS	30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10	level 2	–	RW	static
start	RBStartCopyLevel	–	0	244	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
copy of	RBCopySensorSrc	–	0	245	2	Unsigned16	Auto, OOS	30210 : sensor 1 30211 : sensor 2 30212 : sensor 3 30213 : sensor 4 30214 : sensor 5 30215 : sensor 6 30216 : sensor 7 30217 : sensor 8 30218 : sensor 9 30219 : sensor 10	sensor 1	–	RW	static
paste to	RBCopySensorDest	–	0	246	2	Unsigned16	Auto, OOS	30210 : sensor 1 30211 : sensor 2 30212 : sensor 3 30213 : sensor 4 30214 : sensor 5 30215 : sensor 6 30216 : sensor 7 30217 : sensor 8 30218 : sensor 9 30219 : sensor 10	sensor 2	–	RW	static
start	RBStartCopySensor	–	0	247	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
copy of	RBCopyFlowSrc	–	0	248	2	Unsigned16	Auto, OOS	30220 : flow 1 30221 : flow 2	flow 1	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
paste to	RBCopyFlowDest	–	0	249	2	Unsigned16	Auto, OOS	30220 : flow 1 30221 : flow 2	flow 2	–	RW	static
start	RBStartCopyFlow	–	0	250	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
View1	RBPBView1	–	0	251	17	VisibleString	Auto, OOS	17	–	–	RO	dyna-mic
ProcessorSW-Vers.	RBuCSWVersion	S0050	1	75	16	VisibleString	Auto, OOS	16	————	–	RO	dyna-mic
DSPSWVers.	RBDSPSWVersion	S0050	1	80	16	VisibleString	Auto, OOS	16	————	–	RO	dyna-mic
DisplaySWVers.	RBDisplaySWVersion	S0050	1	85	16	VisibleString	Auto, OOS	16	————	–	RO	dyna-mic

2.2 Display Block (DY)

2.2.1 Instances

Instance	Slot	Index
1	41	0

2.2.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	DYTargetMode	-	0	5	1	Unsigned8	Auto, OOS	8 ... 8	0	-	RW	non-vol.
language	DYLanguage	DX011	0	29	2	Unsigned16	Auto, OOS	0 : English 1 : Deutsch 2 : FranÃ§ais 3 : EspaÃol 4 : Italiano 5 : Nederlands 6 : Portuguesa 30400 : Russian 30401 : polski 30402 : Czech 30403 : Arab 30404 : Chinese 30405 : Japanese 30406 : Korean 30407 : Bahasa 30408 : Thai 30409 : Vietnamese	English	-	RW	static
back to home	DYBackToHome	DX200	0	30	2	Integer16	Auto, OOS	10 ... 9999	900	s	RW	static
format	DYFormatDisplayDecInch	DX211	0	31	1	Unsigned8	Auto, OOS	0 : decimal 1 : ft-in-1/16"	decimal	-	RW	static
sep. character	DYSeparationCharacter	DX213	0	32	1	Unsigned8	Auto, OOS	0 : . 1 : ,	.	-	RW	static
type	DYDisplayModeWithBar-graph	DX221	0	33	2	Unsigned16	Auto, OOS	30230 : 1x value+bargr 30231 : 2x value+bargr 30232 : value max size 30233 : alter. 3x2 val 30234 : alter.5x2 val. 30235 : bargr. profil	1x value+bargr	-	RW	static
time	DYChangeTime	CX000	0	34	1	Unsigned8	Auto, OOS	0 ... 255	3	s	RW	static
reset	DYResetBlock	-	0	36	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic
customized text	DYLabelText	CX000	0	38	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 1	DYInput1Source	DX320	0	39	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static
input1 status	DYInput1Status	–	0	41	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 1	DYInput1Value	CX000	0	42	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput1Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input1 unit	DYInput1Unit16	-	0	43	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 1	DYInput1Text	CX000	0	46	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 2	DYInput2Source	CX000	0	47	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	-	RW	static
input2 status	DYInput2Status	-	0	49	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 2	DYInput2Value	CX000	0	50	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput2Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input2 unit	DYInput2Unit16	-	0	51	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 2	DYInput2Text	CX000	0	54	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 3	DYInput3Source	CX000	0	55	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-130220 : flow 130221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static
input3 status	DYInput3Status	–	0	57	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 3	DYInput3Value	CX000	0	58	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput3Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input3 unit	DYInput3Unit16	-	0	59	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 3	DYInput3Text	CX000	0	62	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 4	DYInput4Source	CX000	0	63	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	-	RW	static
input4 status	DYInput4Status	-	0	65	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 4	DYInput4Value	CX000	0	66	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput4Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input4 unit	DYInput4Unit16	-	0	67	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 4	DYInput4Text	CX000	0	70	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 5	DYInput5Source	CX000	0	71	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	-	RW	static
input5 status	DYInput5Status	-	0	73	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 5	DYInput5Value	CX000	0	74	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput5Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input5 unit	DYInput5Unit16	-	0	75	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 5	DYInput5Text	CX000	0	78	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 6	DYInput6Source	CX000	0	79	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static
input6 status	DYInput6Status	–	0	81	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 6	DYInput6Value	CX000	0	82	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput6 Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input6 unit	DYInput6Unit16	-	0	83	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 6	DYInput6Text	CX000	0	86	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 7	DYInput7Source	CX000	0	87	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	-	RW	static
input7 status	DYInput7Status	-	0	89	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 7	DYInput7Value	CX000	0	90	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput7Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input7 unit	DYInput7Unit16	-	0	91	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 7	DYInput7Text	CX000	0	94	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 8	DYInput8Source	CX000	0	95	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static
input8 status	DYInput8Status	–	0	97	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 8	DYInput8Value	CX000	0	98	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput8 Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input8 unit	DYInput8Unit16	-	0	99	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 8	DYInput8Text	CX000	0	102	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 9	DYInput9Source	CX000	0	103	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	-	RW	static
input9 status	DYInput9Status	-	0	105	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 9	DYInput9Value	CX000	0	106	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput9Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input9 unit	DYInput9Unit16	-	0	107	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
cust. text 9	DYInput9Text	CX000	0	110	16	VisibleString	Auto, OOS	16	-	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value 10	DYInput10Source	CX000	0	111	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static
input10 status	DYInput10Status	–	0	113	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 10	DYInput10Value	CX000	0	114	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DYInput10Unit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input10 unit	DYInput10Unit16	–	0	115	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
cust. text 10	DYInput10Text	CX000	0	118	16	VisibleString	Auto, OOS	16	–	–	RW	non-vol.
View1	DYTBView1	–	0	150	18	VisibleString	Auto, OOS	18	–	–	RO	dyna-mic

2.3 Synchronisation Block (SY)

2.3.1 Instances

Instance	Slot	Index
1	42	0

2.3.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	SYTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
sync delay	SYSynchronisationDelay_ms	S0040	0	29	2	Unsigned16	Auto, OOS	0 ... 65000	0	ms	RW	static
sync alarm	SYSynchronisationAlarm	S0140	0	30	1	Unsigned8	Auto, OOS	0 : on 1 : off	off	-	RW	static
sync alarm delay	SYSyncAlarmDelay_ms	S0040	0	31	2	Unsigned16	Auto, OOS	3000 ... 32000	3000	ms	RW	static
reset	SYResetBlock	-	0	32	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic

2.4 Ultrasonic Sensor Block (US)

2.4.1 Instances

Instance	Slot	Index
1	44	0
2	46	0
3	48	0
4	50	0
5	52	0
6	54	0
7	56	0
8	58	0
9	60	0
10	62	0

2.4.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	USTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
sensor operation	USOperationMode	DX106	0	29	1	Unsigned8	Auto, OOS	0 : on 1 : hold 2 : off	on	–	RW	static
sensor selection	USSensorDetectionMode	LX009	0	30	2	Unsigned16	Auto, OOS	0 : automatic 1 : FDU80 2 : FDU80F 3 : FDU81 4 : FDU81F 5 : FDU82 6 : FDU83 7 : FDU84 8 : FDU85 9 : FDU86 10 : FDU91 11 : FDU 91F 12 : FDU 92 13 : FDU 93 14 : FDU 95NT 15 : FDU 95HT 16 : FDU 96	automatic	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
detected	USIdentifiedSensorType	LX003	0	31	2	Unsigned16	Auto, OOS	0 : automatic 1 : FDU80 2 : FDU80F3 : FDU81 4 : FDU81F 5 : FDU82 6 : FDU83 7 : FDU84 8 : FDU85 9 : FDU86 10 : FDU91 11 : FDU 91F 12 : FDU 92 13 : FDU 93 14 : FDU 95NT 15 : FDU 95HT 16 : FDU 96 17 : no sensor 18 : service sensor 200 : no sens. recog	automatic	–	RO	dyna-mic
tank shape	USTankShapeWithOpenLe-vel	LX00A	0	32	2	Unsigned16	Auto, OOS	0 : dome ceiling 20 : horizontal cyl 2 : bypass 3 : stilling well 4 : flat ceiling 5 : sphere 6 : no ceiling	flat ceiling	–	RW	static
medium pro-perty	USMediumProperty	LX00B	0	33	1	Unsigned8	Auto, OOS	0 : liquid 1 : paste like 2 : solid<4mm 3 : solid>4mm 4 : unknown	liquid	–	RW	static
process cond.	USProcessCondLiquidSolid	LX00C	0	34	1	Unsigned8	Auto, OOS	0 : standard liq. 1 : calm surface 2 : turb. surface 3 : add. agitator 4 : fast change 5 : standard solid 6 : solid dusty 7 : conveyor belt 8 : test:no filter	calm sur-face	–	RW	static
sensor @@	USAWPStatus	IX405	0	35	1	Unsigned8	Auto, OOS	0 : not modified 1 : modified	not modi-fied	–	RO	non-vol.
check distance	USCheckDistance	FX006	0	36	2	Unsigned16	Auto, OOS	0 : distance = ok 1 : dist.too small 2 : dist. too big 3 : dist. unknown 240 : manual	distance = ok	–	RW	dyna-mic
range of map-ping	USMapRecordDistance_mm	LX00B	0	37	4	Float	Auto, OOS	0.000 ... MaxEmpty_mm	0.000	USDi-stanc eUnit 16	RW	dyna-mic
start mapping	USRecordMapToDo	LX116	0	38	2	Unsigned16	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
status	USActivateClearMap	FX500	0	39	2	Unsigned16	Auto, OOS	0 : disable map 1 : enable map 2 : delete mapping	disable map	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sim distance	USSimDistanceMode	S0107	0	40	1	Unsigned8	Auto, OOS	0 : sim. off 1 : sim. distance	sim. off	–	RW	static
sim value	USSimDistanceValue_mm	S0007	0	41	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	USDistanceUnit16	RW	static
distance unit	USDistanceUnit16	–	0	42	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	–	RW	static
act. distance@@	USSensorValue_mm	LX00B	0	45	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	USDistanceUnit16	RO	dynamic
act. distance@@	USSensorValueDebug_mm	–	0	48	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	USDistanceUnit16	RO	dynamic
saf. dist. sen@@	USSafetyDistance_mm	AX104	0	49	4	Float	Auto, OOS	0.000 ... MaxEmpty_mm	0.000	USDistanceUnit16	RW	static
in saf.dist. s@@	USInSafetyDistance	AX015	0	50	1	Unsigned8	Auto, OOS	0 : alarm 1 : warning 2 : self holding	warning	–	RW	static
reset sensor @@	USAcknSafetyDistanceAlarm	AX016	0	51	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dynamic
delay sensor@@	USOnNoEchoDelayTime_s	AX103	0	52	2	Unsigned16	Auto, OOS	0 ... 4000	60	s	RW	static
temp.measurement	USAirTemperatureCalcType	DX107	0	53	2	Unsigned16	Auto, OOS	30008 : US-Sensor 30009 : extern. temp. 30010 : extern. temp.2 30011 : avg.USsens/ext 30012 : avg. ext. 2 v.	US-Sensor	–	RW	static
temperature unit	USTemperatureUnit16	–	0	54	2	Unsigned16	Auto, OOS	1001 : -°C 1002 : -°F	-°C	–	RW	static
act. temperature	USSensorTemperature_DegC	S0005	0	55	4	Float	Auto, OOS	-999999.0 ... 999999.0	-273.0	USTemperatureUnit16	RO	dynamic
ext.temp.inp.src	USExternalTempInputSource	–	0	56	2	Unsigned16	Auto, OOS	0 : no sensor 1 : ext.T Sensor 1 2 : ext.T Sensor 2	no sensor	–	RW	static
ext. temperature	USExternalTempValue_DegC	S0005	0	59	4	Float	Auto, OOS	-273.0 ... 1000.0	0.0	USTemperatureUnit16	RO	dynamic
max. value	USMaxMeasuredTemp_DegC	S0005	0	60	4	Float	Auto, OOS	-273.0 ... 1000.0	-273.0	USTemperatureUnit16	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
min. value	USMinMeasuredTemp_DegC	S0005	0	61	4	Float	Auto, OOS	-273.0 ... 1000.0	1000.0	USTemperatureUnit16	RO	non-vol.
min/maxT reset	USClearMinMaxMeasuredTemp	S0105	0	62	1	Unsigned8	Auto, OOS	0 : keep 1 : erase 2 : reset min. 3 : reset max.	keep	-	RW	dynamic
effective temp	USAirTempValue_DegC	S0005	0	65	4	Float	Auto, OOS	-999999.0 ... 999999.0	-273.0	USTemperatureUnit16	RO	dynamic
max.temp. sen.@@	MaxValidSensorTemp_DegC	AX107	0	66	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	USTemperatureUnit16	RO	dynamic
overtemp. sen@@	USOnHighMeasuredTemp	AX018	0	67	1	Unsigned8	Auto, OOS	0 : alarm 1 : warning	alarm	-	RW	static
def. temp.sen @@	USOutputOnTempSensDefect	AX017	0	68	1	Unsigned8	Auto, OOS	0 : alarm 1 : warning	alarm	-	RW	static
temp at warn.	USValOnTempSensDef_DegC	S0005	0	69	4	Float	Auto, OOS	-273.0 ... 1000.0	20.0	USTemperatureUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input	USExtSendImpulseInSource	DX107	0	70	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
ext. send ctrl.	USExtSendImpulseCtrl	DX107	0	74	1	Unsigned8	Auto, OOS	0 : off 1 : hold 2 : value	off	-	RW	static
distance	USExtSendPulseCtrlVal_mm	DX107	0	75	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	USDistanceUnit16	RW	static
sensor priority	USPriorityLevel	DX106	0	76	1	Unsigned8	Auto, OOS	1 ... 255	1	-	RW	static
recognition man.	USSensorDetectManual-Start	-	0	77	2	Unsigned16	Auto, OOS	0 : off 1 : start	off	-	RW	dyna-mic
echo quality@@	USSSignalToNoiseRatio_dB	IX129	0	78	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dyna-mic
reset	USResetBlock	-	0	79	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic
env. smoothing	SmoothWindowSize_mm	S0003	0	80	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	USDistU-nitService16	RW	static
SG smoothing	SGWindowSize_mm	S0003	0	81	4	Float	Auto, OOS	0.0 ... 999999.0	60.0	USDistU-nitService16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
env. stat. down	InnovationNeg	S0003	0	82	2	Unsigned16	Auto, OOS	0 ... 32	3	-	RW	static
env. stat. up	InnovationPos	S0003	0	83	2	Unsigned16	Auto, OOS	0 ... 32	3	-	RW	static
weight. curve	WeightingMode	S0104	0	84	2	Unsigned16	Auto, OOS	0 : FMC 1 : FMC rising 2 : FAC 3 : FAC rising 4 : constant 5 : ideal echo crv	FAC	-	RW	static
minimum S/N	MinSN_dB	S0004	0	85	4	Float	Auto, OOS	0.0 ... 120.0	0.0	dB	RW	static
weight. offset	WeightingAdder_dB	S0004	0	86	4	Float	Auto, OOS	0.0 ... 120.0	15.0	dB	RW	static
FAC/FMC scanr.	FacScanRate_mm	S0004	0	87	4	Float	Auto, OOS	0.0 ... 999999.0	200.0	USDistU-nitService16	RW	static
temp.resitor	SensorTempResistance_Ohm	S0005	0	88	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	Ohm	RO	dyna-mic
dipping dist.	USDistanceForSpeedCorr_mm	S0006	0	89	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistU-nitService16	RW	dyna-mic
temp.coefficient	SonicSpeedTCoef_m_s_sqrtK	S0006	0	90	4	Float	Auto, OOS	1.000000 ... 999999.000000	20.044950	-	RW	static
sonic speed	ActSpeedOfSound_m_s	S0006	0	91	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	m/s	RO	dyna-mic
unfilt. distance	USUnfilterdSensorValue_mm	-	0	92	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	USDi-stanceUnit16	RO	dyna-mic
echo detec. type	RefineMaxPosMode	S0107	0	93	2	Unsigned16	Auto, OOS	0 : none 1 : parablefit 2 : gravity center 3 : merg. gravity 4 : merging ratio 5 : flank	flank	-	RW	static
parable window	ParableFitWindow_mm	S0007	0	94	4	Float	Auto, OOS	0.000 ... 999999.000	105.000	USDistU-nitService16	RW	static
gravity window	MaxEchoWidthGravity_mm	S0007	0	95	4	Float	Auto, OOS	0.000 ... 999999.000	200.000	USDistU-nitService16	RW	static
min. low pass	FiltKonstMin_s	S0007	0	96	4	Float	Auto, OOS	0.000 ... 3600.000	5.000	s	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
reference dist	ReferenceDistance_mm	S0007	0	97	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistanceUnit16	RW	static
ref. window	RefDistanceWindowSize_mm	S0007	0	98	4	Float	Auto, OOS	0.000 ... 999999.000	500.000	USDistUnitService16	RW	static
first echo sel	FirstEchoMode	S0108	0	99	2	Unsigned16	Auto, OOS	0 : none 1 : fixonweightcrv 2 : fix on maxecho 3 : dyn on maxecho 4 : dist.dependend	dyn on maxecho	-	RW	static
weight.crv.FEF	FirstEchoThreshold_dB	S0008	0	100	4	Float	Auto, OOS	0.0 ... 120.0	20.0	dB	RW	static
max echo FEF	FirstEchoFixFactor_dB	S0008	0	101	4	Float	Auto, OOS	0.0 ... 120.0	30.0	dB	RW	static
FEF	FirstEchoAt0dBEchoAmpl_dB	S0008	0	102	4	Float	Auto, OOS	0.0 ... 120.0	35.0	dB	RW	static
FEF threshold	AmplFor0dBFirstEcho_dB	S0008	0	103	4	Float	Auto, OOS	0.0 ... 120.0	120.0	dB	RW	static
near distance	FirstEchoNearDist_mm	S0008	0	104	4	Float	Auto, OOS	0.000 ... 999999.000	1000.000	USDistanceUnit16	RW	static
FEF near dist.	FirstEchoFacAtNearDist_dB	S0008	0	105	4	Float	Auto, OOS	0.0 ... 120.0	10.0	dB	RW	static
far distance	FirstEchoFarDist_mm	S0008	0	106	4	Float	Auto, OOS	0.000 ... 999999.000	5000.000	USDistanceUnit16	RW	static
FEF far dist.	FirstEchoFacAtFarDist_dB	S0008	0	107	4	Float	Auto, OOS	0.0 ... 120.0	30.0	dB	RW	static
present FEF	ActFirstEchoThreshold_dB	S0008	0	108	4	Float	Auto, OOS	0.0 ... 120.0	0.0	dB	RO	dynamic
mapping offset	MappingAdder_dB	S0009	0	109	4	Float	Auto, OOS	0.0 ... 120.0	5.0	dB	RW	static
map scanrate	MapWindowSize_mm	S0009	0	110	4	Float	Auto, OOS	0.000 ... 999999.000	180.000	USDistUnitService16	RW	static
noise recog.	ListeningOn	S010A	0	111	2	Unsigned16	Auto, OOS	0 : no 1 : yes	no	-	RW	static
average noise	NoiseLevelMean_dB	S000A	0	112	4	Float	Auto, OOS	0.0 ... 120.0	0.0	dB	RO	dynamic
cycl. time	CycleTime_ms	S000B	0	113	2	Unsigned16	Auto, OOS	0 ... 65000	0	ms	RO	dynamic
noise threshold	FillingNoiseThreshold_dB	S000A	0	114	4	Float	Auto, OOS	0.0 ... 120.0	80.0	dB	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
stored sensor	USStoredSensorType	S000B	0	115	2	Unsigned16	Auto, OOS	0 : automatic 1 : FDU80 2 : FDU80F 3 : FDU81 4 : FDU81F 5 : FDU82 6 : FDU83 7 : FDU84 8 : FDU85 9 : FDU86 10 : FDU91 11 : FDU 91F 12 : FDU 92 13 : FDU 93 14 : FDU 95NT 15 : FDU 95HT 16 : FDU 96 17 : no sensor 18 : service sensor	no sensor	-	RO	non-vol.
recog. sensor	USUsedSensor	-	0	116	2	Unsigned16	Auto, OOS	0 : automatic 1 : FDU80 2 : FDU80F 3 : FDU81 4 : FDU81F 5 : FDU82 6 : FDU83 7 : FDU84 8 : FDU85 9 : FDU86 10 : FDU91 11 : FDU 91F 12 : FDU 92 13 : FDU 93 14 : FDU 95NT 15 : FDU 95HT 16 : FDU 96 17 : no sensor 18 : service sensor	no sensor	-	RO	dyna-mic
recog.resit.val.	SensorTypeResistance_Ohm	S000B	0	117	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	Ohm	RO	dyna-mic
stat.temp/recog	SpecialMeasGlobalMessage	-	0	118	2	Integer16	Auto, OOS	-32767 ... 32767	0	-	RO	dyna-mic
service sensor	USSensorDetectUseEESen-sor	S010B	0	119	2	Unsigned16	Auto, OOS	0 : no 1 : yes	no	-	RW	static
serv.sen.index	EESensorTableIndex	S000B	0	120	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dyna-mic
serv.sen.value	EESensorTableValue	S000B	0	121	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dyna-mic
blocking dist.	BlockDistance_mm	S000B	0	122	4	Float	Auto, OOS	0.000 ... 999999.000	300.000	USDi-stanc eUnit 16	RW	static
frequency mode	USSendFreqCalculati-onType	S010B	0	123	2	Unsigned16	Auto, OOS	1 ... 3	2	-	RW	static
used frequency	USSendFrequency_Hz	S000B	0	124	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	Hz	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
constant freq.	USConstSendFrequency_Hz	S000B	0	125	4	Float	Auto, OOS	1000.0 ... 99999.0	40000.0	Hz	RW	static
reson.stim.freq.	USSendFreqForResonance_Hz	S000B	0	126	4	Float	Auto, OOS	1000.0 ... 99999.0	20000.0	Hz	RW	static
reson. freq.	USPeakFrequency_Hz	S000B	0	127	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	Hz	RO	dynamic
stat.reson.freq	USPeakFrequencyStatus	S000B	0	128	2	Integer16	Auto, OOS	-32767 ... 32767	0	-	RO	dynamic
range of mapping	MapRecordDist_mm	S0009	0	129	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistUnitService16	RO	dynamic
index 190	USDebugMeasurementIndex	S000C	0	130	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dynamic
value 190	USDebugMeasurementValue	S000C	0	131	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dynamic
index 191	USDebugProcessHkIndex	S000C	0	132	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dynamic
value 191	USDebugProcessHkValue	S000C	0	133	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dynamic
index 192	USDebugStatAlgoIndex	S000C	0	134	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dynamic
value 192	USDebugStatAlgoValue	S000C	0	135	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dynamic
index 193	USDebugDynAlgoIndex	S000C	0	136	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dynamic
value 193	USDebugDynAlgoValue	S000C	0	137	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dynamic
index 194	USDebugPostProcessIndex	S000C	0	138	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dynamic
value 194	USDebugPostProcessValue	S000C	0	139	4	Float	Auto, OOS	-999999.000000 ... 999999.000000	0.000000	-	RW	dynamic
sync. delay time	USSynchronisationDelay_ms	-	0	140	2	Unsigned16	Auto, OOS	0 ... 65000	0	ms	RW	static
sync alarm	USSynchronisationAlarm	-	0	141	1	Unsigned8	Auto, OOS	0 : on 1 : off	off	-	RW	static
sync alarm delay	USSyncAlarmDelay_ms	-	0	142	2	Unsigned16	Auto, OOS	0 ... 65000	3000	ms	RW	static
max meas dist	MaxLevelDistance_mm	S0007	0	143	4	Float	Auto, OOS	0.000 ... 999999.000	100000.000	USDistanceUnit16	RO	dynamic
distance unit	USDistance_I	-	0	145	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	-	RO	dynamic
empty E	ZeroPointFromLE_FS_mm	-	0	167	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistanceUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
full F	FullFromLE_FS_mm	–	0	168	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistanceUnit16	RW	static
zero distance	RealZeroDistance_mm	–	0	182	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	USDistUnitService16	RO	dynamic
pres. amplitude	EchoAbsAmpl_dB	S000D	0	184	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
ampl. over map.	EchoAmplOverMap_dB	S000D	0	185	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
amp.ov.weight-crv	EchoAmplOverWC_dB	S000D	0	186	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
zero distance	ZeroDistance_mm	S000B	0	187	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	USDistUnitService16	RW	static
add.sample dist.	AddSampleDistance_mm	S0007	0	188	4	Float	Auto, OOS	-999999.000 ... 999999.000	2000.000	USDistUnitService16	RW	static
blocking dist.	BlockDistanceReadonly_mm	LX006	0	189	4	Float	Auto, OOS	0.0 ... 999999.0	300.0	USDistanceUnit16	RO	dynamic
input status	USSimDistanceStatus	S0007	0	190	1	Unsigned8	Auto, OOS	0 ... 255	100	–	RW	non-vol.
ref.dist.ampl	RefDistanceAmplitude_dB	S0007	0	212	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
RefDistAmplWC	RefDistanceRelAmplitude_dB	S0007	0	213	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
ref.dist.found	RefDistanceFound_mm	S0007	0	214	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	USDistUnitService16	RO	dynamic
delay timer	JumpDelayRemainTime_s	S000E	0	215	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	s	RO	dynamic
echo found delay	EchoFoundDelayTime_s	S000E	0	216	2	Unsigned16	Auto, OOS	0 ... 999999	0	s	RW	static
min. jump delay	JumpDelayTimeBase_s	S000E	0	217	2	Unsigned16	Auto, OOS	0 ... 999999	600	s	RW	static
jump delay	JumpDelayTime_slope_mm_s	S000E	0	218	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	USDistUnitPerSecService16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
echo window	EchoDelayWindowSize_mm	S000E	0	219	4	Float	Auto, OOS	0.0 ... 999999.0	500.0	USDistUnitService16	RW	static
application par.	USApplicationParameter	-	0	221	2	Unsigned16	Auto, OOS	0 : not modified 1 : modified	not modified	-	RO	dynamic
merg. echo dist	MergingEchoDist_mm	S0007	0	222	4	Float	Auto, OOS	0.000 ... 999999.000	150.000	USDistUnitService16	RW	static
merging ratio	MergingRatio_perc	S0007	0	223	2	Unsigned16	Auto, OOS	0 ... 100	0	%	RW	static
dead time	ReactionTime_s	S0007	0	224	2	Unsigned16	Auto, OOS	0 ... 16	1	s	RW	static
max. low pass	FiltKonstMax_s	S0007	0	225	4	Float	Auto, OOS	0.000 ... 3600.000	12.000	s	RW	static
delta at min.	InnovAtFiltKonstMax_mm	S0007	0	226	4	Float	Auto, OOS	0.000 ... 999999.000	10.000	USDistUnitService16	RW	static
detection window	USDetectionWindow	DX106	0	227	2	Unsigned16	Auto, OOS	0 : off 1 : on 2 : reset	off	-	RW	static
max.echo.abs.amp	MaxEchoAbsAmpl_dB	-	0	228	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic
max.echo.rel.amp	MaxEchoRelAmpl_dB	-	0	229	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	dB	RO	dynamic

2.5 Level Block (LE)

2.5.1 Instances

Instance	Slot	Index
1	93	0
2	95	0
3	97	0
4	99	0
5	101	0
6	103	0
7	105	0
8	107	0
9	109	0
10	111	0

2.5.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	LETargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input	LESelectSensorInput	LX008	0	29	2	Unsigned16	Auto, OOS	0 : no sensor 30210 : sensor 1 30211 : sensor 2 30212 : sensor 3 30213 : sensor 4 30214 : sensor 5 30215 : sensor 6 30216 : sensor 7 30217 : sensor 8 30218 : sensor 9 30219 : sensor 10 11 : sensor 1 debug 12 : sensor 2 debug1 3 : sensor 3 debug 14 : sensor 4 debug 15 : sensor 5 debug 16 : sensor 6 debug 17 : sensor 7 debug 18 : sensor 8 debug 19 : sensor 9 debug 20 : sensor10 debug	no sensor	-	RW	static
input status	LESensorStatus	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
sensor	LESensorValue	LX007	0	32	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LESensorUnit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
distance unit	LESensorUnit16	-	0	33	2	Unsigned16	Auto, OOS	1010 : m 1013 : mm 1018 : ft 1019 : inch 1211 : mA 1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1138 : mbar 1137 : bar 1149 : mm H2O 1152 : Ft H2O 1146 : In H2O 1130 : Pa 1136 : hPa 1133 : kPa 1132 : M PA 1141 : psi 1157 : mm Hg 1155 : In Hg 1139 : torr 1144 : g/cm-1145 : kg/cm- 1140 : atm 1249 : pF 1248 : nF1997 : 1995 : customer spec.	m	-	RO	dyna-mic
correction	LESensorOffset	LX017	0	34	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LESensorUnit16	RW	static
empty E	LEEmptyValue	LX005	0	35	4	Float	Auto, OOS	LEERMinCalibration ... LEERMaxCalibration	100000.000	LESensorUnit16	RW	static
full F	LEFullValue	LX006	0	36	4	Float	Auto, OOS	LEERMinCalibration ... LEERMaxCalibration	100000.000	LESensorUnit16	RW	static
unit level	LELevelUnit16	LX00C	0	37	2	Unsigned16	Auto, OOS	1010 : m 1013 : mm 1018 : ft 1019 : inch 1342 : %	%	-	RW	static
cap. empty	LECalPointLow	LX00C	0	38	4	Float	Auto, OOS	LEERMinCalibration ... LEERMaxCalibration	100000.000	LESensorUnit16	RW	static
cap. full	LECalPointHigh	LX00D	0	39	4	Float	Auto, OOS	LEERMinCalibration ... LEERMaxCalibration	0.000	LESensorUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value empty	LELevelLow	LX00C	0	40	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LELevelUnit16	RW	static
value full	LELevelHigh	LX00D	0	41	4	Float	Auto, OOS	-999999.000 ... 999999.000	100000.000	LELevelUnit16	RW	static
output status	LELevelStatus	-	0	43	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
level@@	LELevelValue	LX007	0	44	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	LELevelUnit16	RO	dynamic
offset	LELevelOffset	LX018	0	45	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LELevelUnit16	RW	static
type	LELinearisation	LX00D	0	46	1	Unsigned8	Auto, OOS	0 : none 1 : linear 20 : horizontal cyl 3 : sphere 4 : pyramid bottom 5 : conical bottom 6 : angled bottom 7 : table	none	-	RW	static
customer unit	LECustomerUnit16	LX008	0	47	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	-	RW	static
customized text	LELinUnitText	LX008	0	48	5	VisibleString	Auto, OOS	5	——	-	RW	static
distance unit	LEDistanceUnit16	-	0	50	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	-	RW	static
diameter	LELinTankDiameter	LX008	0	51	4	Float	Auto, OOS	0.000 ... 999999.000	5000.000	LEDistanceUnit16	RW	static
intermed. height	LELinIntermediateLength	LX008	0	52	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LEDistanceUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
max. scale	LELinMaxVolume	LX008	0	53	4	Float	Auto, OOS	-999999.000 ... 999999.000	100.000	LECustomerUnit16	RW	static
edit	LEEdit	LX00D	0	54	1	Unsigned8	Auto, OOS	0 : read 240 : manual 241 : semi-automatic3 : delete	read	-	RW	static
status table	LEStatusTable	LX00D	0	55	1	Unsigned8	Auto, OOS	0 : enabled 1 : disabled	disabled	-	RW	static
table no.	LETabNumber	-	0	56	2	Unsigned16	Auto, OOS	1 ... 32	1	-	RW	non-vol.
input level	LEInputLevelManual	-	0	57	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	dynamic
input volume	LEInputVolume	-	0	58	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	dynamic
input level	LEInputLevelManual0	LX00C	0	59	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual1	LX00C	0	60	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual2	LX00C	0	61	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual3	LX00C	0	62	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual4	LX00C	0	63	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual5	LX00C	0	64	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual6	LX00C	0	65	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual7	LX00C	0	66	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual8	LX00C	0	67	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual9	LX00C	0	68	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual10	LX00C	0	69	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	LEInputLevelManual11	LX00C	0	70	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual12	LX00C	0	71	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual13	LX00C	0	72	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual14	LX00C	0	73	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual15	LX00C	0	74	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual16	LX00C	0	75	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual17	LX00C	0	76	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual18	LX00C	0	77	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual19	LX00C	0	78	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual20	LX00C	0	79	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual21	LX00C	0	80	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual22	LX00C	0	81	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual23	LX00C	0	82	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual24	LX00C	0	83	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual25	LX00C	0	84	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual26	LX00C	0	85	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual27	LX00C	0	86	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	LEInputLevelManual28	LX00C	0	87	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual29	LX00C	0	88	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual30	LX00C	0	89	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input level	LEInputLevelManual31	LX00C	0	90	4	Float	Auto, OOS	-999999.000 ... 100000.000	0.000	LELevelUnit16	RW	static
input volume	LEInputVolume0	LX00C	0	91	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume1	LX00C	0	92	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume2	LX00C	0	93	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume3	LX00C	0	94	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume4	LX00C	0	95	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume5	LX00C	0	96	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume6	LX00C	0	97	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume7	LX00C	0	98	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume8	LX00C	0	99	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume9	LX00C	0	100	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	LEInputVolume10	LX00C	0	101	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume11	LX00C	0	102	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume12	LX00C	0	103	4	Float	Auto, OOS	-999999.000 ... 99999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume13	LX00C	0	104	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume14	LX00C	0	105	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume15	LX00C	0	106	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume16	LX00C	0	107	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume17	LX00C	0	108	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume18	LX00C	0	109	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume19	LX00C	0	110	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume20	LX00C	0	111	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume21	LX00C	0	112	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume22	LX00C	0	113	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	LEInputVolume23	LX00C	0	114	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume24	LX00C	0	115	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume25	LX00C	0	116	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume26	LX00C	0	117	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume27	LX00C	0	118	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume28	LX00C	0	119	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume29	LX00C	0	120	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume30	LX00C	0	121	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
input volume	LEInputVolume31	LX00C	0	122	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LECustomerUnit16	RW	static
mode	LESelectUllageMode	LX008	0	123	2	Unsigned16	Auto, OOS	30001 : level 30000 : ullage	level	-	RW	static
level@@	LESelectErrorHandling	AX012	0	124	1	Unsigned8	Auto, OOS	0 : hold 1 : ramp %/min 2 : customer spec. 3 : alarm	hold	-	RW	static
value level@@	LEValueErrorConstant	AX102	0	125	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LEOutput-ValueUnit16	RW	static
ramp level@@	LEValueErrorRamp	AX102	0	126	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	%/min	RW	static
noise fill. ramp	LEValueNoiseFillingRamp	S0010	0	127	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	%/min	RW	static
simulation	LESelectSimulationMode	LX00D	0	128	1	Unsigned8	Auto, OOS	0 : sim. off 1 : sim. level 2 : sim. volume	sim. off	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sim. level value	LESimulationValueLevel	LX022	0	129	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LELevelUnit16	RW	non-vol.
sim. vol. value	LESimulationValueVolume	LX022	0	130	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LEOutput-ValueUnit16	RW	non-vol.
output status	LEVolumeStatus	-	0	132	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
level@@	LEVolumeValue	-	0	133	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	LEOutput-ValueUnit16	RO	dyna-mic
max. value	LEMaxMeasuredVolume	IX302	0	134	4	Float	Auto, OOS	-999999.0 ... 999999.0	-999999.0	LEOutput-ValueUnit16	RO	non-vol.
min. value	LEMinMeasuredVolume	IX302	0	135	4	Float	Auto, OOS	-999999.0 ... 999999.0	999999.0	LEOutput-ValueUnit16	RO	non-vol.
reset level@@	LEClearMinMaxMeasured-Vol	IX304	0	136	1	Unsigned8	Auto, OOS	0 : keep 1 : erase 2 : reset min 3 : reset max.	keep	-	RW	dyna-mic
max. fill. speed	LEPosSpeedLimit	S0010	0	137	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	%/min	RW	static
max. drain speed	LENegSpeedLimit	S0010	0	138	4	Float	Auto, OOS	-999999.000 ... 0.000	0.000	%/min	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 1	LESelectFirstDigitalInput	LX020	0	139	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
input 1	LEFirstDigInputStatus	-	0	141	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input 1	LEFirstDigInputValue	-	0	142	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
function	LESelectFirstSwitchMode	LX020	0	143	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	-	RW	static
value	LEFirstSwitchValue	LX020	0	144	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LELe-velUn it16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 2	LESelectSecondDigInput	LX021	0	145	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
input 2	LESecondDigInputStatus	–	0	147	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input 2	LESecondDigInputValue	–	0	148	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
function	LESelectSecondSwitch-Mode	LX021	0	149	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	–	RW	static
value	LESecondSwitchValue	LX021	0	150	4	Float	Auto, OOS	-999999.000 ... 999999.000	100.000	LELe-velUn it16	RW	static
limitation	LESelectLimiterMode	LX00D	0	151	1	Unsigned8	Auto, OOS	0 : off 1 : low limit 2 : high limit 3 : low/high limit	low limit	–	RW	static
upper limit	LEUpperLimiterValue	LX019	0	152	4	Float	Auto, OOS	-999999.000 ... 999999.000	5000.000	LELe-velUn it16	RW	static
lower limit	LELowerLimiterValue	LX019	0	153	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	LELe-velUn it16	RW	static
reset	LEResetBlock	–	0	154	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	LEOutputValueUnit16	-	0	155	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	-	RW	static

2.6 Flow Block (FS)

2.6.1 Instances

Instance	Slot	Index
1	133	0
2	135	0

2.6.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	FSTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input	FSSelectSensorInput	FX008	0	29	2	Unsigned16	Auto, OOS	0 : no sensor 30210 : sensor 1 30211 : sensor 2 7 : average level	no sensor	-	RW	static
input status	FSSensorStatus	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
sensor	FSSensorValue	FX005	0	32	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FSSen sorUn it16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sensor unit	FSSensorUnit16	-	0	33	2	Unsigned16	Auto, OOS	1010 : m 1013 : mm 1018 : ft 1019 : inch 1211 : mA 1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1138 : mbar 1137 : bar 1149 : mm H2O 1152 : Ft H2O 1146 : In H2O 1130 : Pa 1136 : hPa 1133 : kPa 1132 : M PA 1141 : psi 1157 : mm Hg 1155 : In Hg 1139 : torr 1144 : g/cm-1145 : kg/cm- 1140 : atm 1249 : pF 1248 : nF 1997 : 1995 : customer spec.	m	-	RO	dyna-mic
correction	FSSensorOffset	FX012	0	34	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FSSensorUnit16	RW	static
empty E	FSFlowEmptyCalibration	FX010	0	35	4	Float	Auto, OOS	FSERMinCalibration ... FSERMaxCalibration	100000.000	FSSensorUnit16	RW	static
unit level	FSLevelUnit16	FX004	0	36	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	-	RW	static
min. calibration	FSCalPointLow	-	0	37	4	Float	Auto, OOS	FSERMinCalibration ... FSERMaxCalibration	100000.000	FSSensorUnit16	RW	static
max. calibration	FSCalPointHigh	-	0	38	4	Float	Auto, OOS	FSERMinCalibration ... FSERMaxCalibration	0.000	FSSensorUnit16	RW	static
value empty	FSLevelLow	-	0	39	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FSLevelUnit16	RW	static
value full	FSLevelHigh	-	0	40	4	Float	Auto, OOS	-999999.000 ... 999999.000	100000.000	FSLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
output1 status	FSLevelStatus	–	0	42	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
level	FSLevelValue	FX005	0	43	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FSLevelUnit16	RO	dyna-mic
offset	FSLevelOffset	FX013	0	44	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FSLevelUnit16	RW	static
level	FSLevelValue2	–	0	45	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FSLevelUnit16	RO	dyna-mic
type	FSFlowLinearisation	FX004	0	46	1	Unsigned8	Auto, OOS	0 : none 1 : flume/ weir 2 : table 3 : formula	none	–	RW	static
curve	FSFlumeWeirSelected	FX004	0	47	2	Unsigned16	Auto, OOS	30300 : none 30301 : KVentQV302 30302 : KVentQV303 30303 : KVentQV304 30304 : KVentQV305 30305 : KVentQV306 30306 : KVentQV308 30307 : KVentQV310 30308 : KVentQV313 30309 : KVentQV316 30310 : ISOVent415 30311 : ISOVent425 30312 : ISOVent430 30313 : ISOVent440 30314 : ISOVent450 30315 : ISOVent480 30316 : BSTVentu 4'' 30317 : BSTVentu 7'' 30318 : BSTVentu12'' 30319 : BSTVentu18'' 30320 : BSTVentu30'' 30321 : Parshall 1'' 30322 : Parshall 2'' 30323 : Parshall 3'' 30324 : Parshall 6'' 30325 : Parshall 9'' 30326 : Parshall 1ft 30327 : Parshall1.5ft 30328 : Parshall 2ft 30329 : Parshall 3ft 30330 : Parshall 4ft 30331 : Parshall 5ft 30332 : Parshall 6ft	KVentQV302	–	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
								30333 : Parshall 8ft 30334 : PlmBowlus 6'' 30335 : PlmBowlus 8'' 30336 : PlmBowlus10'' 30337 : PlmBowlus12'' 30338 : PlmBowlus15'' 30339 : PlmBowlus18''3 0340 : PlmBowlus21'' 30341 : PlmBowlus24'' 30342 : PlmBowlus27'' 30343 : PlmBowlus30'' 30344 : RectWT0/5H 30345 : RectWT0/T5 30346 : RectWThr 2H 30347 : RectWThr 3H 30348 : RectWThr 4H 30349 : RectWThr 5H 30350 : RectWThr 6H 30351 : RectWThr 8H 30352 : RectWThr T0 30353 : RectWThr T5 30354 : RectWThr 2T 30355 : NFXRectT0/5H 30356 : NFXRectT0/T5 30357 : NFX RectWThr2H 30358 : NFXRectWThr3H 30359 : NFXRectWThr4H 30360 : NFXRectWThr5H 30361 : NFXRectWThr6H 30362 : NFXRectWThr8H 30363 : NFXRectWThrT0 30364 : Trap.W T0/3H 30365 : Trap.W T0/T5				
								30366 : V-Weir 22.5 30367 : V-Weir 30 30368 : V-Weir 45 30369 : V-Weir 60 30370 : V-Weir 90 30371 : BST V-Weir22.5 30372 : BST V-Weir 45 30373 : BST V-Weir 90 30374 : NFX V-Weir 30 30375 : NFX V-Weir 45 30376 : NFX V-Weir 60 30377 : NFX V-Weir 90				
Khafagi-Venturi	FSFlumeKhafagiVenturi	FX004	0	48	2	Unsigned16	Auto, OOS	30300 : none 30301 : KVentQV302 30302 : KVentQV303 30303 : KVentQV304 30304 : KVentQV305 30305 : KVentQV306 30306 : KVentQV308 30307 : KVentQV310 30308 : KVentQV313 30309 : KVentQV316	KVentQV 302	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
ISO-Venturi	FSFlumeISOVenturi	FX004	0	49	2	Unsigned16	Auto, OOS	30300 : none 30310 : ISOVent415 30311 : ISOVent425 30312 : ISOVent430 30313 : ISOVent440 30314 : ISOVent450 30315 : ISOVent480	none	-	RW	static
BST-Venturi	FSFlumeBSTVenturi	FX004	0	50	2	Unsigned16	Auto, OOS	30300 : none 30316 : BSTVentu 4'' 30317 : BSTVentu 7'' 30318 : BSTVentu12'' 30319 : BSTVentu18'' 30320 : BSTVentu30''	none	-	RW	static
Parshall	FSFlumeParshall	FX004	0	51	2	Unsigned16	Auto, OOS	30300 : none 30321 : Parshall 1'' 30322 : Parshall 2'' 30323 : Parshall 3'' 30324 : Parshall 6'' 30325 : Parshall 9'' 30326 : Parshall 1ft 30327 : Parshall1.5ft 30328 : Parshall 2ft 30329 : Parshall 3ft 30330 : Parshall 4ft 30331 : Parshall 5ft 30332 : Parshall 6ft 30333 : Parshall 8ft	none	-	RW	static
Palmer-Bowlus	FSPalmerBowlus	FX004	0	52	2	Unsigned16	Auto, OOS	30300 : none 30334 : PlmBowlus 6'' 30335 : PlmBowlus 8'' 30336 : PlmBowlus10'' 30337 : PlmBowlus12'' 30338 : PlmBowlus15'' 30339 : PlmBowlus18'' 30340 : PlmBowlus21'' 30341 : PlmBowlus24'' 30342 : PlmBowlus27'' 30343 : PlmBowlus30''	none	-	RW	static
Rectangular Weir	FSRectangularWeir	FX004	0	53	2	Unsigned16	Auto, OOS	30300 : none 30344 : RectWT0/5H 30345 : RectWT0/T5	none	-	RW	static
Rect.weir+throat	FSRectWeirThroat	FX004	0	54	2	Unsigned16	Auto, OOS	30300 : none 30346 : RectWThr 2H 30347 : RectWThr 3H 30348 : RectWThr 4H 30349 : RectWThr 5H 30350 : RectWThr 6H 30351 : RectWThr 8H 30352 : RectWThr T0 30353 : RectWThr T5 30354 : RectWThr 2T	none	-	RW	static
NFX Rect. weir	FSNFXRectWeir	FX004	0	55	2	Unsigned16	Auto, OOS	30300 : none 30355 : NFXRectT0/5H 30356 : NFXRectT0/T5	none	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
NFX-Rect.W+throat	FSNFXRectWThroat	FX004	0	56	2	Unsigned16	Auto, OOS	30300 : none 30357 : NFX RectWThr2H 30358 : NFXRectWThr3H 30359 : NFXRectWThr4H 30360 : NFXRectWThr5H 30361 : NFXRectWThr6H 30362 : NFXRectWThr8H 30363 : NFXRectWThrT0	none	–	RW	static
Trapezoidal Weir	FSTrapezoidalWeir	FX004	0	57	2	Unsigned16	Auto, OOS	30300 : none 30364 : Trap.W T0/3H 30365 : Trap.W T0/T5	none	–	RW	static
V-Weir	FSVWeir	FX004	0	58	2	Unsigned16	Auto, OOS	30300 : none 30366 : V-Weir 22.5 30367 : V-Weir 30 30368 : V-Weir 45 30369 : V-Weir 60 30370 : V-Weir 90	none	–	RW	static
BST V-Weir	FSBSTVWeir	FX004	0	59	2	Unsigned16	Auto, OOS	30300 : none 30371 : BST V-Weir22.5 30372 : BST V-Weir 45 30373 : BST V-Weir 90	none	–	RW	static
NFX V-Weir	FSNFXVWeir	FX004	0	60	2	Unsigned16	Auto, OOS	30300 : none 30374 : NFX V-Weir 30 30375 : NFX V-Weir 45 30376 : NFX V-Weir 60 30377 : NFX V-Weir 90	none	–	RW	static
distance unit	FSDistanceUnit16	–	0	61	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	–	RW	static
width	FSBarrageWidth	FX004	0	62	4	Float	Auto, OOS	0.000 ... 100000.000	1000.000	FSDistanceUnit16	RW	static
flow unit	FSFlowUnit16	FX004	0	63	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RW	static
max. flow	FSMaxFlow	FX004	0	64	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	100.000	FSFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
alpha	FSAlpha	FX004	0	65	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	static
beta	FSBeta	FX004	0	66	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	static
gamma	FSGamma	FX004	0	67	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	static
C	FSCConstant	FX004	0	68	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	static
edit	FSEditFlowTable	FX004	0	69	1	Unsigned8	Auto, OOS	0 : read 240 : manual 3 : delete	read	-	RW	non-vol.
status table	FSTableStatus	FX004	0	70	1	Unsigned8	Auto, OOS	0 : disabled 1 : enabled	disabled	-	RW	static
table no.	FSTabNumber	-	0	71	2	Unsigned16	Auto, OOS	1 ... 32	1	-	RW	non-vol.
input level	FSInputLevelManual	-	0	72	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	dyna-mic
input volume	FSInputFlow	-	0	73	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	dyna-mic
input level	FSInputLevelManual0	FX004	0	74	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual1	FX004	0	75	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual2	FX004	0	76	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual3	FX004	0	77	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual4	FX004	0	78	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual5	FX004	0	79	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual6	FX004	0	80	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual7	FX004	0	81	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual8	FX004	0	82	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual9	FX004	0	83	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	FSInputLevelManual10	FX004	0	84	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual11	FX004	0	85	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual12	FX004	0	86	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual13	FX004	0	87	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual14	FX004	0	88	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual15	FX004	0	89	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual16	FX004	0	90	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual17	FX004	0	91	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual18	FX004	0	92	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual19	FX004	0	93	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual20	FX004	0	94	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual21	FX004	0	95	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual22	FX004	0	96	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual23	FX004	0	97	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual24	FX004	0	98	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual25	FX004	0	99	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual26	FX004	0	100	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	FSInputLevelManual27	FX004	0	101	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual28	FX004	0	102	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual29	FX004	0	103	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual30	FX004	0	104	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input level	FSInputLevelManual31	FX004	0	105	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
input volume	FSInputFlow0	FX004	0	106	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow1	FX004	0	107	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow2	FX004	0	108	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow3	FX004	0	109	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow4	FX004	0	110	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow5	FX004	0	111	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow6	FX004	0	112	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow7	FX004	0	113	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow8	FX004	0	114	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow9	FX004	0	115	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow10	FX004	0	116	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow11	FX004	0	117	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	FSInputFlow12	FX004	0	118	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow13	FX004	0	119	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow14	FX004	0	120	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow15	FX004	0	121	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow16	FX004	0	122	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow17	FX004	0	123	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow18	FX004	0	124	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow19	FX004	0	125	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow20	FX004	0	126	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow21	FX004	0	127	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow22	FX004	0	128	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow23	FX004	0	129	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow24	FX004	0	130	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow25	FX004	0	131	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow26	FX004	0	132	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow27	FX004	0	133	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow28	FX004	0	134	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	FSInputFlow29	FX004	0	135	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow30	FX004	0	136	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
input volume	FSInputFlow31	FX004	0	137	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
low flow cut off	FSLowFlowCutOffValue	FX011	0	139	4	Float	Auto, OOS	0.000 ... 100.000	0.000	%	RW	static
flow corr.fact.	FSFlowCorrectionFactor	S0020	0	140	4	Float	Auto, OOS	0.500000 ... 2.000000	1.000000	-	RW	static
flow@@	FSSelectErrorHandling	AX013	0	141	1	Unsigned8	Auto, OOS	0 : hold 1 : customer spec. 2 : alarm	hold	-	RW	static
value flow@@	FSValueErrorConstant	AX112	0	142	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	static
output1 status	FSFlowStatus	-	0	144	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
flow@@	FSFlowValue	FX004	0	145	4	Float	Auto, OOS	0.0 ... FSERMaxFlow	0.0	FSFlowUnit16	RO	dynamic
max. value	FSMaxMeasuredFlow_l_s	IX312	0	146	4	Float	Auto, OOS	0.0 ... FSERMaxFlow	-999999.0	FSFlowUnit16	RO	non-vol.
min. value	FSMinMeasuredFlow_l_s	IX312	0	147	4	Float	Auto, OOS	0.0 ... FSERMaxFlow	999999.0	FSFlowUnit16	RO	non-vol.
reset flow@@	FSClearMinMaxMeasured-Flow	IX314	0	148	1	Unsigned8	Auto, OOS	0 : keep 1 : erase 2 : reset min. 3 : reset max.	keep	-	RW	dynamic
max fill flow	FSVmaxPlus	S0020	0	149	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	%/min	RW	static
max drain flow	FSVmaxMinus	S0020	0	150	4	Float	Auto, OOS	-999999.000 ... 0.000	0.000	%/min	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 1	FSSelectFirstSwitch	FX015	0	151	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
input 1	FSFirstDigInputStatus	-	0	153	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input 1	FSFirstDigInputValue	-	0	154	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
function	FSSelectFirstLimit	FX015	0	155	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	-	RW	static
value	FSFirstLimitValue	FX015	0	156	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 2	FSSelectSecondSwitch	FX016	0	157	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
input 2	FSSecondDigInputStatus	–	0	159	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input 2	FSSecondDigInputValue	–	0	160	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
function	FSSelectSecondLimit	FX016	0	161	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	–	RW	static
value	FSSecondLimitValue	FX016	0	162	4	Float	Auto, OOS	0.000 ... 100000.000	100.000	FSLevelUnit16	RW	static
limitation	FSEnableLimiter	FX014	0	163	1	Unsigned8	Auto, OOS	0 : off 1 : low limit 2 : high limit 3 : low/high limit	low limit	–	RW	static
lower limit	FSLowerLimiterValue	FX014	0	164	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	static
upper limit	FSUpperLimiterValue	FX014	0	165	4	Float	Auto, OOS	0.000 ... 100000.000	5000.000	FSLevelUnit16	RW	static
simulation	FSSimulation	FX020	0	166	1	Unsigned8	Auto, OOS	0 : sim. off 1 : sim. level 2 : flow	sim. off	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sim. level value	FSSimulationValueLevel	FX020	0	167	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FSLevelUnit16	RW	non-vol.
sim. flow value	FSSimulationValueFlow	FX020	0	168	4	Float	Auto, OOS	0.000 ... FSERMaxFlow	0.000	FSFlowUnit16	RW	non-vol.
reset	FSResetBlock	-	0	169	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic
alpha	FSAlphaIntern	-	0	170	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	dyna-mic
beta	FSBetaIntern	-	0	171	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	dyna-mic
gamma	FSGammaIntern	-	0	172	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	dyna-mic
C	FSCConstantIntern	-	0	173	4	Float	Auto, OOS	-9.0000000 ... 9.0000000	0.0000000	-	RW	dyna-mic

2.7 Flow Block with Backwater Detection (FB)

2.7.1 Instances

Instance	Slot	Index
1	137	0

2.7.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	FBTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input	FBSelectSensorInputCh1	FXA08	0	29	2	Unsigned16	Auto, OOS	0 : no sensor 30210 : sensor 1 30211 : sensor 2	no sensor	-	RW	static
input status	FBSensorStatusCh1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
sensor	FBSensorValueCh1	FXA05	0	32	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSensorUnitCh1_16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sens.unit flow	FBSensorUnitCh1_16	-	0	33	2	Unsigned16	Auto, OOS	1010 : m 1013 : mm 1018 : ft 1019 : inch 1211 : mA 1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1138 : mbar 1137 : bar 1149 : mm H2O 1152 : Ft H2O 1146 : In H2O 1130 : Pa 1136 : hPa 1133 : kPa 1132 : M PA 1141 : psi 1157 : mm Hg 1155 : In Hg 1139 : torr 1144 : g/cm-1145 : kg/cm- 1140 : atm 1249 : pF 1248 : nF 1997 : 1995 : customer spec.	m	-	RO	dyna-mic
correction	FBSensorOffsetCh1	FXA12	0	34	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSensorUnitCh1_16	RW	static
empty E	FBFlowEmptyCalibrationCh1	FXA04	0	35	4	Float	Auto, OOS	FBERMinCalibrationCh1 ... FBERMaxCalibrationCh1	100000.000	FBSensorUnitCh1_16	RW	static
unit level	FBLevelUnit16	FXA04	0	36	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	-	RW	static
min. calibration	FBCalPointLowCh1	-	0	37	4	Float	Auto, OOS	FBERMinCalibrationCh1 ... FBERMaxCalibrationCh1	100000.000	FBSensorUnitCh1_16	RW	static
max. calibration	FBCalPointHighCh1	-	0	38	4	Float	Auto, OOS	FBERMinCalibrationCh1 ... FBERMaxCalibrationCh1	0.000	FBSensorUnitCh1_16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value empty	FBLevelLowCh1	–	0	39	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSensorUnitCh1_16	RW	static
value full	FBLevelHighCh1	–	0	40	4	Float	Auto, OOS	-999999.000 ... 999999.000	100000.000	FBSensorUnitCh1_16	RW	static
flow lev. status	FBLevelStatusCh1	–	0	42	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dynamic
act. flow level	FBLevelValueCh1	FX307	0	43	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FBLevelUnit16	RO	dynamic
offset	FBLevelOffsetCh1	FXA13	0	44	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBLevelUnit16	RW	static
level	FBLevelValue2	–	0	45	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBLevelUnit16	RO	dynamic
type	FBFlowLinearisation	FXA04	0	46	1	Unsigned8	Auto, OOS	0 : none 1 : flume/ weir 2 : table 3 : formula	none	–	RW	static
curve	FBFlumeWeirSelected	FXA04	0	47	2	Unsigned16	Auto, OOS	30300 : none 30301 : KVentQV302 30302 : KVentQV303 30303 : KVentQV304 30304 : KVentQV305 30305 : KVentQV306 30306 : KVentQV308 30307 : KVentQV310 30308 : KVentQV313 30309 : KVentQV316 30310 : ISOVent415 30311 : ISOVent425 30312 : ISOVent430 30313 : ISOVent440 30314 : ISOVent450 30315 : ISOVent480 30316 : BSTVentu 4'' 30317 : BSTVentu 7'' 30318 : BSTVentu12'' 30319 : BSTVentu18'' 30320 : BSTVentu30'' 30321 : Parshall 1'' 30322 : Parshall 2'' 30323 : Parshall 3'' 30324 : Parshall 6'' 30325 : Parshall 9'' 30326 : Parshall 1ft 30327 : Parshall1.5ft 30328 : Parshall 2ft 30329 : Parshall 3ft 30330 : Parshall 4ft 30331 : Parshall 5ft 30332 : Parshall 6ft	KVentQV302	–	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
								30333 : Parshall 8ft 30334 : PlmBowlus 6'' 30335 : PlmBowlus 8'' 30336 : PlmBowlus10'' 30337 : PlmBowlus12'' 30338 : PlmBowlus15'' 30339 : PlmBowlus18'' 30340 : PlmBowlus21'' 30341 : PlmBowlus24'' 30342 : PlmBowlus27'' 30343 : PlmBowlus30'' 30344 : RectWT0/5H 30345 : RectWT0/T5 30346 : RectWThr 2H 30347 : RectWThr 3H 30348 : RectWThr 4H 30349 : RectWThr 5H 30350 : RectWThr 6H 30351 : RectWThr 8H 30352 : RectWThr T0 30353 : RectWThr T5 30354 : RectWThr 2T 30355 : NFXRectT0/5H 30356 : NFXRectT0/T5 30357 : NFX RectWThr2H 30358 : NFXRectWThr3H 30359 : NFXRectWThr4H 30360 : NFXRectWThr5H 30361 : NFXRectWThr6H 30362 : NFXRectWThr8H 30363 : NFXRectWThrT0 30364 : Trap.W T0/3H 30365 : Trap.W T0/T5				
								30366 : V-Weir 22.5 30367 : V-Weir 30 30368 : V-Weir 45 30369 : V-Weir 60 30370 : V-Weir 90 30371 : BST V-Weir22.5 30372 : BST V-Weir 45 30373 : BST V-Weir 90 30374 : NFX V-Weir 30 30375 : NFX V-Weir 45 30376 : NFX V-Weir 60 30377 : NFX V-Weir 90				
Khafagi-Venturi	FBFlumeKhafagiVenturi	FXA04	0	48	2	Unsigned16	Auto, OOS	30300 : none 30301 : KVentQV302 30302 : KVentQV303 30303 : KVentQV304 30304 : KVentQV305 30305 : KVentQV306 30306 : KVentQV308 30307 : KVentQV310 30308 : KVentQV313 30309 : KVentQV316	KVentQV 302	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
ISO-Venturi	FBFlumeISOVenturi	FXA04	0	49	2	Unsigned16	Auto, OOS	30300 : none 30310 : ISOVent415 30311 : ISOVent425 30312 : ISOVent430 30313 : ISOVent440 30314 : ISOVent450 30315 : ISOVent480	none	-	RW	static
BST-Venturi	FBFlumeBSTVenturi	FXA04	0	50	2	Unsigned16	Auto, OOS	30300 : none 30316 : BSTVentu 4'' 30317 : BSTVentu 7'' 30318 : BSTVentu12'' 30319 : BSTVentu18'' 30320 : BSTVentu30''	none	-	RW	static
Parshall	FBFlumeParshall	FXA04	0	51	2	Unsigned16	Auto, OOS	30300 : none 30321 : Parshall 1'' 30322 : Parshall 2'' 30323 : Parshall 3'' 30324 : Parshall 6'' 30325 : Parshall 9'' 30326 : Parshall 1ft 30327 : Parshall1.5ft 30328 : Parshall 2ft 30329 : Parshall 3ft 30330 : Parshall 4ft 30331 : Parshall 5ft 30332 : Parshall 6ft 30333 : Parshall 8ft	none	-	RW	static
Palmer-Bowlus	FBPalmerBowlus	FXA04	0	52	2	Unsigned16	Auto, OOS	30300 : none 30334 : PlmBowlus 6'' 30335 : PlmBowlus 8'' 30336 : PlmBowlus10'' 30337 : PlmBowlus12'' 30338 : PlmBowlus15'' 30339 : PlmBowlus18'' 30340 : PlmBowlus21'' 30341 : PlmBowlus24'' 30342 : PlmBowlus27'' 30343 : PlmBowlus30''	none	-	RW	static
Rectangular Weir	FBRectangularWeir	FXA04	0	53	2	Unsigned16	Auto, OOS	30300 : none 30344 : RectWT0/5H 30345 : RectWT0/T5	none	-	RW	static
Rect.weir+throat	FBRectWeirThroat	FXA04	0	54	2	Unsigned16	Auto, OOS	30300 : none 30346 : RectWThr 2H 30347 : RectWThr 3H 30348 : RectWThr 4H 30349 : RectWThr 5H 30350 : RectWThr 6H 30351 : RectWThr 8H 30352 : RectWThr T0 30353 : RectWThr T5 30354 : RectWThr 2T	none	-	RW	static
NFX Rect. weir	FBNFXRectWeir	FXA04	0	55	2	Unsigned16	Auto, OOS	30300 : none 30355 : NFXRectT0/5H 30356 : NFXRectT0/T5	none	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
NFX-Rect.W+throat	FBNFXRectWThroat	FXA04	0	56	2	Unsigned16	Auto, OOS	30300 : none 30357 : NFX RectWThr2H 30358 : NFXRectWThr3H 30359 : NFXRectWThr4H 30360 : NFXRectWThr5H 30361 : NFXRectWThr6H 30362 : NFXRectWThr8H 30363 : NFXRectWThrT0	none	–	RW	static
Trapezoidal Weir	FBTrapezoidalWeir	FXA04	0	57	2	Unsigned16	Auto, OOS	30300 : none 30364 : Trap.W T0/3H 30365 : Trap.W T0/T5	none	–	RW	static
V-Weir	FBVWeir	FXA04	0	58	2	Unsigned16	Auto, OOS	30300 : none 30366 : V-Weir 22.5 30367 : V-Weir 30 30368 : V-Weir 45 30369 : V-Weir 60 30370 : V-Weir 90	none	–	RW	static
BST V-Weir	FBBSTVWeir	FXA04	0	59	2	Unsigned16	Auto, OOS	30300 : none 30371 : BST V-Weir22.5 30372 : BST V-Weir 45 30373 : BST V-Weir 90	none	–	RW	static
NFX V-Weir	FBNFXVWeir	FXA04	0	60	2	Unsigned16	Auto, OOS	30300 : none 30374 : NFX V-Weir 30 30375 : NFX V-Weir 45 30376 : NFX V-Weir 60 30377 : NFX V-Weir 90	none	–	RW	static
distance unit	FBDistanceUnit16	–	0	61	2	Unsigned16	Auto, OOS	1010 : m 1018 : ft 1013 : mm 1019 : inch	m	–	RW	static
width	FBBarrageWidth	FXA04	0	62	4	Float	Auto, OOS	0.000 ... 100000.000	1000.000	FBDi-stanceUnit16	RW	static
flow unit	FBFlowUnit16	FXA04	0	63	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RW	static
max. flow	FBMaxFlow	FXA04	0	64	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	100.000	FBFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
alpha	FBAlpha	FXA04	0	65	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.000000 00	-	RW	static
beta	FBBeta	FXA04	0	66	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.000000 00	-	RW	static
gamma	FBGamma	FXA04	0	67	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.000000 00	-	RW	static
C	FBCConstant	FXA04	0	68	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.000000 00	-	RW	static
edit	FBEditFlowTable	FXA04	0	69	1	Unsigned8	Auto, OOS	0 : read 240 : manual 3 : delete	read	-	RW	non-vol.
status table	FBTableStatus	FXA04	0	70	1	Unsigned8	Auto, OOS	0 : disabled 1 : enabled	disabled	-	RW	static
table no.	FBTabNumber	-	0	71	1	Unsigned8	Auto, OOS	1 ... 32	1	-	RW	non-vol.
input level	FBInputLevelManual	-	0	72	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	dyna-mic
input volume	FBInputFlow	-	0	73	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	dyna-mic
input level	FBInputLevelManual0	FXA04	0	74	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual1	FXA04	0	75	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual2	FXA04	0	76	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual3	FXA04	0	77	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual4	FXA04	0	78	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual5	FXA04	0	79	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual6	FXA04	0	80	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual7	FXA04	0	81	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual8	FXA04	0	82	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual9	FXA04	0	83	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	FBInputLevelManual10	FXA04	0	84	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual11	FXA04	0	85	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual12	FXA04	0	86	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual13	FXA04	0	87	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual14	FXA04	0	88	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual15	FXA04	0	89	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual16	FXA04	0	90	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual17	FXA04	0	91	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual18	FXA04	0	92	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual19	FXA04	0	93	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual20	FXA04	0	94	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual21	FXA04	0	95	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual22	FXA04	0	96	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual23	FXA04	0	97	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual24	FXA04	0	98	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual25	FXA04	0	99	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual26	FXA04	0	100	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input level	FBInputLevelManual27	FXA04	0	101	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual28	FXA04	0	102	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual29	FXA04	0	103	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual30	FXA04	0	104	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input level	FBInputLevelManual31	FXA04	0	105	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input volume	FBInputFlow0	FXA04	0	106	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow1	FXA04	0	107	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow2	FXA04	0	108	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow3	FXA04	0	109	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow4	FXA04	0	110	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow5	FXA04	0	111	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow6	FXA04	0	112	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow7	FXA04	0	113	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow8	FXA04	0	114	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow9	FXA04	0	115	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow10	FXA04	0	116	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow11	FXA04	0	117	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	FBInputFlow12	FXA04	0	118	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow13	FXA04	0	119	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow14	FXA04	0	120	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow15	FXA04	0	121	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow16	FXA04	0	122	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow17	FXA04	0	123	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow18	FXA04	0	124	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow19	FXA04	0	125	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow20	FXA04	0	126	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow21	FXA04	0	127	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow22	FXA04	0	128	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow23	FXA04	0	129	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow24	FXA04	0	130	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow25	FXA04	0	131	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow26	FXA04	0	132	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow27	FXA04	0	133	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow28	FXA04	0	134	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input volume	FBInputFlow29	FXA04	0	135	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow30	FXA04	0	136	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
input volume	FBInputFlow31	FXA04	0	137	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
low flow cut off	FBLowFlowCutOffValue	FXA11	0	139	4	Float	Auto, OOS	0.000 ... 100.000	0.000	%	RW	static
flow@@	FBSelectErrorHandling	AX014	0	140	1	Unsigned8	Auto, OOS	0 : hold 1 : customer spec. 2 : alarm	hold	-	RW	static
value flow@@	FBValueErrorConstant	AX122	0	141	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	static
simulation	FBSimulation	FXA20	0	142	1	Unsigned8	Auto, OOS	0 : sim. off 1 : sim. level 2 : flow	sim. off	-	RW	static
sim. level value	FBSimulationValueLevelCh1	FXA20	0	143	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	non-vol.
sim. flow value	FBSimulationValueFlow	FXA20	0	144	4	Float	Auto, OOS	0.000 ... FBERMaxFlow	0.000	FBFlowUnit16	RW	non-vol.
flow corr.fact.	FBFlowCorrectionFactor	S0030	0	145	4	Float	Auto, OOS	0.500000 ... 2.000000	1.000000	-	RW	static
output1 status	FBFlowStatus	-	0	147	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
flow@@	FBFlowValue	FXA04	0	148	4	Float	Auto, OOS	0.0 ... FBERMaxFlow	0.0	FBFlowUnit16	RO	dyna-mic
max. value	FBMaxMeasuredFlow_l_s	IX332	0	149	4	Float	Auto, OOS	0.0 ... FBERMaxFlow	-999999.0	FBFlowUnit16	RO	non-vol.
min. value	FBMinMeasuredFlow_l_s	IX332	0	150	4	Float	Auto, OOS	0.0 ... FBERMaxFlow	999999.0	FBFlowUnit16	RO	non-vol.
reset flow@@	FBClearMinMaxMeasured-Flow	IX334	0	151	1	Unsigned8	Auto, OOS	0 : keep 1 : erase 2 : reset min. 3 : reset max.	keep	-	RW	dyna-mic
max fill flow	FBVmaxPlusCh1	S0030	0	152	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	%/min	RW	static
max drain flow	FBVmaxMinusCh1	S0030	0	153	4	Float	Auto, OOS	-999999.000 ... 0.000	0.000	%/min	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 1	FBSelectFirstSwitch	FXA15	0	154	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
input 1	FBFirstDigInputStatus	–	0	156	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input 1	FBFirstDigInputValue	–	0	157	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
function	FBSelectFirstLimitCh1	FXA15	0	158	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	–	RW	static
value	FBFirstLimitValueCh1	FXA15	0	159	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLe-velUn it16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input 2	FBSelectSecondSwitch	FXA16	0	160	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
input 2	FBSecondDigInputStatus	-	0	162	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
input 2	FBSecondDigInputValue	-	0	163	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
function	FBSelectSecondLimitCh1	FXA16	0	164	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	-	RW	static
value	FBSecondLimitValueCh1	FXA16	0	165	4	Float	Auto, OOS	0.000 ... 100000.000	100.000	FBLevelUnit16	RW	static
limitation	FBEnableLimiterCh1	FXA14	0	166	1	Unsigned8	Auto, OOS	0 : off 1 : low limit 2 : high limit 3 : low/high limit	low limit	-	RW	static
lower limit	FBLowerLimiterValueCh1	FXA14	0	167	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
upper limit	FBUpperLimiterValueCh1	FXA14	0	168	4	Float	Auto, OOS	0.000 ... 100000.000	5000.000	FBLevelUnit16	RW	static
input	FBSelectSensorInputCh2	FX304	0	169	2	Unsigned16	Auto, OOS	0 : no sensor 30210 : sensor 1 30211 : sensor 2	no sensor	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input status	FBSensorStatusCh2	-	0	171	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
sensor	FBSensorValueCh2	FX308	0	172	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSe nsorU nitCh 2_16	RO	dyna-mic
sens.unit backw.	FBSensorUnitCh2_16	-	0	173	2	Unsigned16	Auto, OOS	1010 : m 1013 : mm 1018 : ft 1019 : inch 1211 : mA 1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1138 : mbar 1137 : bar 1149 : mm H2O 1152 : Ft H2O 1146 : In H2O 1130 : Pa 1136 : hPa 1133 : kPa 1132 : M PA 1141 : psi 1157 : mm Hg 1155 : In Hg 1139 : torr 1144 : g/cm-1145 : kg/cm- 1140 : atm 1249 : pF 1248 : nF 1997 : 1995 : customer spec.	m	-	RO	dyna-mic
sensor offset	FBSensorOffsetCh2	FX501	0	174	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSe nsorU nitCh 2_16	RW	static
empty E	FBFlowEmptyCalibrationCh 2	FX305	0	175	4	Float	Auto, OOS	FBERMinCalibrationCh2 ... FBERMaxCalibrationCh2	100000.0 00	FBSe nsorU nitCh 2_16	RW	static
min. calibration	FBCalPointLowCh2	FX400	0	176	4	Float	Auto, OOS	FBERMinCalibrationCh2 ... FBERMaxCalibrationCh2	100000.0 00	FBSe nsorU nitCh 2_16	RW	static
max. calibration	FBCalPointHighCh2	FX401	0	177	4	Float	Auto, OOS	FBERMinCalibrationCh2 ... FBERMaxCalibrationCh2	0.000	FBSe nsorU nitCh 2_16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value empty	FBLevelLowCh2	FX400	0	178	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBSensorUnitCh2_16	RW	static
value full	FBLevelHighCh2	FX401	0	179	4	Float	Auto, OOS	-999999.000 ... 999999.000	100000.000	FBSensorUnitCh2_16	RW	static
output2 status	FBLevelStatusCh2	-	0	181	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
act. backw.level	FBLevelValueCh2	FX307	0	182	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FBLevelUnit16	RO	dynamic
offset	FBLevelOffsetCh2	FX502	0	183	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBLevelUnit16	RW	static
max fill backw	FBVmaxPlusCh2	S0030	0	184	4	Float	Auto, OOS	0.000 ... 999999.000	0.000	%/min	RW	static
max drain backw	FBVmaxMinusCh2	S0030	0	185	4	Float	Auto, OOS	-999999.000 ... 0.000	0.000	%/min	RW	static
input 1	FBSelectThirdSwitch	FX504	0	186	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
input1 status	FBThirdDigInputStatus	-	0	188	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
value 1	FBThirdDigInputValue	-	0	189	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
function	FBSelectFirstLimitCh2	FX504	0	190	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	-	RW	static
value	FBFirstLimitValueCh2	FX504	0	191	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static
input 2	FBSelectFourthSwitch	FX505	0	192	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
input 2	FBFourthDigInputStatus	-	0	194	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
input 2	FBFourthDigInputValue	-	0	195	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
function	FBSelectSecondLimitCh2	FX505	0	196	1	Unsigned8	Auto, OOS	0 : off 1 : Min (0%) 2 : Max (100%) 3 : hold 4 : customer spec.	off	-	RW	static
value	FBSecondLimitValueCh2	FX505	0	197	4	Float	Auto, OOS	0.000 ... 100000.000	100.000	FBLevelUnit16	RW	static
limitation	FBEnableLimiterCh2	FX503	0	198	1	Unsigned8	Auto, OOS	0 : off 1 : low limit 2 : high limit 3 : low/high limit	low limit	-	RW	static
lower limit	FBLowerLimiterValueCh2	FX503	0	199	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
upper limit	FBUpperLimiterValueCh2	FX503	0	200	4	Float	Auto, OOS	0.000 ... 100000.000	5000.000	FBLevelUnit16	RW	static
simulation	FBSimulationBackwater	FX601	0	201	1	Unsigned8	Auto, OOS	0 : sim. off 1 : sim. level	sim. off	–	RW	static
sim. level value	FBSimulationValueLevelCh2	FX600	0	202	4	Float	Auto, OOS	0.000 ... 100000.000	0.000	FBLevelUnit16	RW	non-vol.
actual ratio	FBBackwaterRatio	FX307	0	205	4	Float	Auto, OOS	0.000 ... 1.000	0.000	>	RO	dynamic
ratio D	FBBackwaterRatioMinValue	FX306	0	206	4	Float	Auto, OOS	0.000 ... 1.000	0.100	–	RW	static
ratio B	FBBackwaterRatioMaxValue	FX305	0	207	4	Float	Auto, OOS	0.000 ... 1.000	0.800	–	RW	static
reset	FBResetBlock	–	0	208	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dynamic
volume value	FBFlowValueLin	–	0	209	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	FBFlowUnit16	RO	dynamic
alpha	FBAlphaIntern	–	0	210	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.00000000	–	RW	dynamic
beta	FBBetaIntern	–	0	211	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.00000000	–	RW	dynamic
gamma	FBGammaIntern	–	0	212	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.00000000	–	RW	dynamic
C	FBCConstantIntern	–	0	213	4	Float	Auto, OOS	-9.00000000 ... 9.00000000	0.00000000	–	RW	dynamic
range of mapping	FBSludgeDetecHight_mm	–	0	215	4	Float	Auto, OOS	0.0 ... 1000.0	5.0	mm	RW	non-vol.

2.8 Totalisator Block (TO)

2.8.1 Instances

Instance	Slot	Index
1	143	0
2	144	0
3	145	0

2.8.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	TOTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
allocation	TOInputSourceAnalog	FX202	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1 30221 : flow 2 3 : flow 1+2 4 : flow average 5 : flow 1-2 6 : flow 2-1 7 : flow 1	none	–	RW	static
flow unit	TOInputUnit_16	–	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RO	dyna-mic
counting unit	TOCountUnit16	FX202	0	34	2	Unsigned16	Auto, OOS	1038 : l 1041 : hl 1996 : Ml 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1042 : In- 1048 : usgal 1524 : us mgal 1049 : i gal 1051 : barrels	m3	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
error handling	TOCounterOutputOnAlarm	FX204	0	35	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : stop	stop	–	RW	static
reset	TOResetBlock	–	0	36	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic
value	TOVolumeSumForView	FX203	0	45	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	TOCo untU nit16	RO	dyna-mic
overflow x 10^7	TOOverFlowForView	FX203	0	48	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	TOCo untU nit16	RO	dyna-mic

2.9 Daily Counter Block (DC)

2.9.1 Instances

Instance	Slot	Index
1	146	0
2	147	0
3	148	0

2.9.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	DCTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
allocation	DCInputSourceAnalog	FX102	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1 30221 : flow 2 3 : flow 1+2 4 : flow average 5 : flow 1-2 6 : flow 2-1 7 : flow 1	none	-	RW	static
flow unit	DCInputUnit_16	-	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	-	RO	dyna-mic
counting unit	DCCountUnit16	FX102	0	34	2	Unsigned16	Auto, OOS	1038 : l 1041 : hl 1996 : Ml 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1042 : In- 1048 : usgal 1524 : us mgal 1049 : i gal 1051 : barrels	m3	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
error handling	DCCounterOutputOnAlarm	FX104	0	35	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : stop	stop	-	RW	static
value	DCVolumeSumForView	FX103	0	44	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	DCCount Unit16	RO	dyna-mic
overflow x 10^7	DCOverFlowForView	FX103	0	47	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	DCCount Unit16	RO	dyna-mic
external start	DCInputSourceEnable	FX105	0	48	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
DI input status1	DCDigitalInputEnableStat	-	0	50	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
digital input 1	DCDigitalInputEnableValue	-	0	51	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
external reset	DCInputSourceReset	FX105	0	52	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status2	DCDigitalInputResetStatus	–	0	54	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 2	DCDigitalInputResetValue	–	0	55	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
reset	DCManualReset	FX103	0	56	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
reset	DCResetBlock	–	0	57	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic
counter at reset	DCVolumeSumForViewAt-Reset	–	0	60	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	–	RO	dyna-mic
overfl. at reset	DCOverFlowForViewAtRe-set	–	0	63	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	–	RO	dyna-mic

2.10 Rake Control Block (RC)

2.10.1 Instances

Instance	Slot	Index
1	159	0

2.10.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	RCTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
upstream water	RCInputSelectUpStream	RX200	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2	none	-	RW	static
downstream water	RCInputSelectDownStream	RX200	0	34	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2	none	-	RW	static
function	RCOperationMode	RX200	0	39	1	Unsigned8	Auto, OOS	0 : difference 1 : ratio	difference	-	RW	static
switch on point	RCLimitDiffOn	RX201	0	40	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	RCInputUnit1_16	RW	static
switch off point	RCLimitDiffOff	RX201	0	41	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	RCInputUnit1_16	RW	static
switch on point	RCLimitRatioOn	RX201	0	42	4	Float	Auto, OOS	0.000 ... 1.000	0.800	-	RW	static
switch off point	RCLimitRatioOff	RX201	0	43	4	Float	Auto, OOS	0.000 ... 1.000	0.900	-	RW	static
switch delay	RCDelayTime_s	RX202	0	44	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
error handling	RCReactOnBad	RX202	0	45	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
reset	RCResetBlock	-	0	55	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic

2.11 Pump Control Block (PS)

2.11.1 Instances

Instance	Slot	Index
1	160	0
2	161	0

2.11.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	PSTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
reference	PSInputSource	RX300	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2	none	–	RW	static
function	PSOperation	RX301	0	34	1	Unsigned8	Auto, OOS	0 : limit control 1 : rate control	limit control	–	RW	static
number of pumps	PSNrOfPumps	RX300	0	35	1	Unsigned8	Auto, OOS	1 ... 6	1	–	RW	static
switch on point	PSSwitchOnPoint1	RX303	0	36	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint1	RX303	0	37	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband1	RX303	0	38	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingMode1	RX303	0	39	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on delay	PSDelay1_s	RX303	0	40	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval1_h	RX304	0	41	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue1_s	RX304	0	42	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PSOutputOnAlarm1	RX3A6	0	43	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	–	RW	static
switch on point	PSSwitchOnPoint2	RX313	0	47	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint2	RX313	0	48	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband2	RX313	0	49	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
alternate	PSAlternatingMode2	RX313	0	50	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PSDelay2_s	RX313	0	51	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval2_h	RX314	0	52	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue2_s	RX314	0	53	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PSOutputOnAlarm2	RX3B6	0	54	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
switch on point	PSSwitchOnPoint3	RX323	0	58	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint3	RX323	0	59	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband3	RX323	0	60	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingMode3	RX323	0	61	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PSDelay3_s	RX323	0	62	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval3_h	RX324	0	63	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue3_s	RX324	0	64	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PSOutputOnAlarm3	RX3C6	0	65	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
switch on point	PSSwitchOnPoint4	RX333	0	69	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint4	RX333	0	70	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband4	RX333	0	71	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingMode4	RX333	0	72	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PSDelay4_s	RX333	0	73	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval4_h	RX334	0	74	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue4_s	RX334	0	75	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
error handling	PSOutputOnAlarm4	RX3D6	0	76	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	–	RW	static
switch on point	PSSwitchOnPoint5	RX343	0	80	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint5	RX343	0	81	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband5	RX343	0	82	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingMode5	RX343	0	83	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on delay	PSDelay5_s	RX343	0	84	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval5_h	RX344	0	85	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue5_s	RX344	0	86	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PSOutputOnAlarm5	RX3E6	0	87	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	–	RW	static
switch on point	PSSwitchOnPoint6	RX353	0	91	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPoint6	RX353	0	92	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static
crust reduction	PSRandomband6	RX353	0	93	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingMode6	RX353	0	94	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on delay	PSDelay6_s	RX353	0	95	2	Unsigned16	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PSAddRunTimeInterval6_h	RX354	0	96	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PSAddRunTimeValue6_s	RX354	0	97	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PSOutputOnAlarm6	RX354	0	98	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	–	RW	static
switch on point	PSSwitchOnPointRate	RX3A3	0	102	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PSInputUnit16	RW	static
switch off point	PSSwitchOffPointRate	RX3A3	0	103	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PSInputUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
crust reduction	PSRandombandRate	RX3A3	0	104	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
alternate	PSAlternatingModeRate	RX3AA	0	105	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on border	PSSwitchOnBorderRate	RX3A3	0	106	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
min.pumprate/ min	PSTargetRate_CU_min	RX3A3	0	107	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PSInputUnit16	RW	static
hook up interval	PSAddPumpDelayRate_s	RX3A3	0	157	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
reset	PSResetBlock	-	0	158	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dynamic

2.12 Current Block w/o HART (CO)

2.12.1 Instances

Instance	Slot	Index
1	188	0
2	189	0
3	190	0
4	191	0
5	192	0
6	193	0
7	194	0
8	195	0
9	196	0
10	197	0

2.12.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	COTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
output@@	COTagNumber32	–	0	29	32	VisibleString	Auto, OOS	32	————————————	–	RW	static
output	COInputSource	OX101	0	30	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 39 : ratio rake	none	–	RW	static
input status	COInputStatus	–	0	32	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
input value 1	COInputValue	-	0	33	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	COCustomerUnit16	RO	dynamic
customer unit	COCustomerUnit16	-	0	34	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dynamic
output damping	CODampingTime_s	OX102	0	39	4	Float	Auto, OOS	0.0 ... 1000.0	1.0	s	RW	static
current span	COOperatingMode	OX014	0	40	1	Unsigned8	Auto, OOS	0 : 4 ... 20mA 1 : 0 ... 20mA 2 : fix. current	4 ... 20mA	-	RW	static
curr. turn down	COTurnDownMode	OX016	0	41	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
turn down 0/ 4mA	COTurnDownAt4mA	OX102	0	42	4	Float	Auto, OOS	COERMinTurnDownValue ... COERMaxTurnDownValue	0.000	COCustomerUnit16	RW	static
turn down 20mA	COTurnDownAt20mA	OX102	0	43	4	Float	Auto, OOS	COERMinTurnDownValue ... COERMaxTurnDownValue	100.000	COCustomerUnit16	RW	static
4mA threshold	CO4mACutOff	OX015	0	44	1	Unsigned8	Auto, OOS	0 : off 1 : on	on	–	RW	static
output@@	COOnStatusBad	–	0	45	1	Unsigned8	Auto, OOS	0 : min1 : max 2 : hold 253 : user specific	max	–	RW	static
output value@@	COOnStatusBadValue_mA	–	0	46	4	Float	Auto, OOS	COERMinCurrentValue_mA ... 22.000	22.000	mA	RW	static
simulation	COSimulation	OX013	0	47	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	–	RW	static
simulation value	COSimulationValue_mA	OX104	0	48	4	Float	Auto, OOS	COERMinCurrentValue_mA ... 22.000	4.000	mA	RW	non-vol.
status curr. out	COOutputStatus	–	0	50	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dynamic
output current@@	COOutputValue	OX101	0	51	4	Float	Auto, OOS	0.000 ... 22.000	0.000	mA	RO	dynamic
reset	COResetBlock	–	0	52	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dynamic
D/A adjust @@	COAdjustment	–	0	53	1	Unsigned8	Auto, OOS	0 : off 1 : 4 mA value 2 : 20 mA value 3 : calculate	off	–	RW	static
D/A adj. 4mA @@	COAdjustValue4mA_mA	–	0	54	4	Float	Auto, OOS	-3.500 ... 95.000	4.000	mA	RW	non-vol.
D/A adj. 20mA @@	COAdjustValue20mA_mA	–	0	55	4	Float	Auto, OOS	-3.500 ... 95.000	20.000	mA	RW	non-vol.
output@@	COTagNumber23	DX102	0	83	23	VisibleString	Auto, OOS	23	———— ————	–	RW	static
mA value	COFixedCurrent_mA	OX102	0	84	4	Float	Auto, OOS	0.000 ... 22.000	4.000	mA	RW	static

2.13 Relay Block (RE)

2.13.1 Instances

Instance	Slot	Index
1	166	0
2	167	0
3	168	0
4	169	0
5	170	0
6	171	0
7	172	0
8	173	0
9	174	0
10	175	0
11	176	0
12	177	0
13	178	0
14	179	0
15	180	0
16	181	0
17	182	0
18	183	0
19	184	0
20	185	0
21	186	0

2.13.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	RETargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
function	RERelaisFunction	RX103	0	29	2	Unsigned16	Auto, OOS	30015 : none 30021 : limit level 1 30022 : limit level 2 30023 : limit level 3 30024 : limit level 4 30025 : limit level 5 30026 : limit level 6 30027 : limit level 7 30028 : limit level 8 30029 : limit level 9 30030 : limit level 10 30031 : limit lvl. 1+2 30032 : limit avg. lvl 30033 : limit lvl. 1-2 30034 : limit lvl. 2-1 30035 : limit sum 1 30036 : limit sum 2 30037 : limit sum 3 30038 : limit sum 4 30039 : limit sum 5 30040 : limit average1 30041 : limit average2 30042 : limit average3 30043 : limit average4 30044 : limit average5 30045 : limit flow 1 30046 : limit flow 2 30051 : limitflowbackw 30047 : limit flow 1+2 30048 : limit avg flow 30049 : limit flow 1-2 30050 : limit flow 2-1 30053 : limit temp. S1	none	-	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
								30054 : limit temp. S2 30055 : limit temp. S3 30056 : limit temp. S4 30057 : limit temp. S5 30058 : limit temp. S6 30059 : limit temp. S7 30060 : limit temp. S8 30061 : limit temp. S9 30062 : limit temp.S10 30063 : limit ext.temp 30064 : lim. ext.temp2 30081 : pulse flow 1 30082 : pulse flow 2 30083 : pulse flow 1 30084 : pulse flow 1+2 30085 : pulse av flow 30086 : pulse flow 1-2 30087 : pulse flow 2-1 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30161 : alarm relay 30162 : diagnostics				
								30163 : backwat. alarm 30164 : dirt alarm 30131 : time pulse 30007 : rake control 30141 : DO 1 30142 : DO 2 30143 : DO 3 30144 : DO 4 30145 : DO 5 30146 : DO 6 30147 : DO 7 30148 : DO 8 30149 : DO 9 30150 : DO 10 30092 : flush ctrl 1 30093 : flush ctrl 2 30095 : op.hour alarm1 30096 : op.hour alarm2 30098 : pump alarm 1 30099 : pump alarm 2				
relay@@ reset	RERelaisFunctionReset	RX020	0	30	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
allocation 1	REInputSourceAnalog	-	0	31	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : ratio rake 30220 : flow 1 30221 : flow 2 14 : flow 1 15 : ratio backwat. 16 : average level 17 : level 1-2 18 : level 2-1 19 : level 1+2 20 : flow average 21 : flow 1-2 22 : flow 2-1 23 : flow 1+2 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor 10 50 : ext.T Sensor 1 51 : ext.T Sensor 2	none	-	RO	non-vol.
input status	REAnalogInputStatus	-	0	33	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 1	REAnalogInputValue	-	0	34	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	REUnit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	REUnit16	–	0	35	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
limit	RELimitValueSelect	RX018	0	36	2	Unsigned16	Auto, OOS	30020 : none 30021 : limit level 1 30022 : limit level 2 30023 : limit level 3 30024 : limit level 4 30025 : limit level 5 30026 : limit level 6 30027 : limit level 7 30028 : limit level 8 30029 : limit level 9 30030 : limit level 10 30031 : limit lvl. 1+2 30032 : limit avg. lvl 30033 : limit lvl. 1-2 30034 : limit lvl. 2-1 30035 : limit sum 1 30036 : limit sum 2 30037 : limit sum 3 30038 : limit sum 4 30039 : limit sum 5 30040 : limit average1 30041 : limit average2 30042 : limit average3 30043 : limit average4 30044 : limit average5 30045 : limit flow 130046 : limit flow 2 30051 : limitflowbackw 30047 : limit flow 1+2 30048 : limit avg flow 30049 : limit flow 1-2 30050 : limit flow 2-1 30053 : limit temp. S1	none	–	RW	static
								30054 : limit temp. S2 30055 : limit temp. S3 30056 : limit temp. S4 30057 : limit temp. S5 30058 : limit temp. S6 30059 : limit temp. S7 30060 : limit temp. S8 30061 : limit temp. S9 30062 : limit temp.S10 30063 : limit ext.temp 30064 : lim. ext.temp2 30052 : backw. ratio				
limit type	RELimitSwitchOperation	RX103	0	37	1	Unsigned8	Auto, OOS	0 : standard 1 : inband 2 : out of band 3 : tendency/speed	standard	–	RW	static
switch on point	RELimitSwitchOnPoint	RX103	0	38	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	60.000	REUnit16	RW	static
switch off point	RELimitSwitchOffPoint	RX103	0	39	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	40.000	REUnit16	RW	static
upper switchpt.	RELimitSwitchBandUpper-Lim	RX103	0	40	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	60.000	REUnit16	RW	static
low switch point	RELimitSwitchBandLower-Lim	RX103	0	41	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	40.000	REUnit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
switch delay	RELimitSwitchDelayTime_s	RX104	0	42	2	Unsigned16	Auto, OOS	0 ... 65535	0	s	RW	static
error handling	RELimitSwitchOutpO-nAlarm	RX014	0	43	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
hysteresis	RELimitSwitchHystValue	RX103	0	44	4	Float	Auto, OOS	-999999.000 ... 999999.000	1.000	REUnit16	RW	static
counting pulse	REImpulsCounterSelect	RX01B	0	45	2	Unsigned16	Auto, OOS	30080 : none 30081 : pulse flow 1 30082 : pulse flow 2 30083 : pulse flow 1 30084 : pulse flow 1+2 30085 : pulse av flow 30086 : pulse flow 1-2 30087 : pulse flow 2-1	none	-	RW	static
start counter	REImpulsCounterSwitchOn	RX105	0	46	4	Float	Auto, OOS	0.00 ... 100.00	0.00	%	RW	static
stop counter	REImpulsCounterSwitchOff	RX105	0	47	4	Float	Auto, OOS	0.00 ... 120.00	120.00	%	RW	static
pulse value	REImpulsCounterWeighting	RX103	0	48	4	Float	Auto, OOS	0.000 ... 999999.000	1.000	REImpuls-CounterUnit16	RW	static
counter unit	REImpulsCounterUnit16	RX103	0	49	2	Unsigned16	Auto, OOS	1038 : l 1041 : hl 1996 : Ml 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1042 : In- 1048 : usgal 1524 : us mgal 1049 : i gal 1051 : barrels	m3	-	RW	static
pulse counter	REImpulsCounterValue	RX105	0	50	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RO	non-vol.
overflow x 10^7	REImpulsCounterOverflow	RX105	0	51	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RO	non-vol.
reset counter	REImpulsCounterReset	RX01B	0	52	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
error handling	REImpulsCounterReactOn-Bad	RX104	0	53	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : stop	actual value	-	RW	static
stat.puls.count.	REOutput1Status	-	0	56	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
pulse counter	REOutput1Value	-	0	57	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	REImpuls-CounterUnit16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
overflow x 10^7	REOutput2Value	-	0	60	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	REImpuls-CounterUnit16	RO	dyna-mic
time pulse	RETimeImpulsSelect	RX01A	0	61	2	Unsigned16	Auto, OOS	30130 : none 30131 : time pulse	none	-	RW	static
pulse time	RETimerValue_min	RX103	0	62	2	Unsigned16	Auto, OOS	1 ... 65000	1	min	RW	static
error handling	RETimerOutputOnAlarm	RX104	0	63	1	Unsigned8	Auto, OOS	0 : actual value 1 : stop	actual value	-	RW	static
alarm / diagnost	REAlarmDiagnoseSelect	RX01D	0	64	2	Unsigned16	Auto, OOS	30160 : none 30161 : alarm relay 30162 : diagnostics 30163 : backwat. alarm 30164 : dirt alarm	none	-	RW	static
allocation 1	REDiagnosticSelect1	RX103	0	65	2	Unsigned16	Auto, OOS	30170 : none 30171 : echoloss sen 1 30172 : echoloss sen 2 30173 : echoloss S 1/2 30174 : def.temp.sen 1 30175 : def.temp.sen 2 30176 : def.ext.tempS1 30177 : def.ext.tempS2 30178 : Acc def. temp 30179 : overtemp. sen1 30180 : overtemp. sen2 30181 : Acc overtemp. 30182 : safety dist S1 30183 : safety dist S2 30184 : Acc safetydist 30185 : pump alarm 30186 : pump oper.(h)	none	-	RW	static
allocation 2	REDiagnosticSelect2	RX103	0	66	2	Unsigned16	Auto, OOS	30170 : none 30171 : echoloss sen 1 30172 : echoloss sen 2 30173 : echoloss S 1/2 30174 : def.temp.sen 1 30175 : def.temp.sen 2 30176 : def.ext.tempS1 30177 : def.ext.tempS2 30178 : Acc def. temp 30179 : overtemp. sen1 30180 : overtemp. sen2 30181 : Acc overtemp. 30182 : safety dist S1 30183 : safety dist S 230184 : Acc safetydist 30185 : pump alarm 30186 : pump oper.(h)	none	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
allocation 2	REInputSourceDigital	–	0	67	2	Unsigned16	Auto, OOS	0 : none 30007 : rake control 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30107 : pump1 control1 30108 : pump2 control1 30109 : pump3 control1 30110 : pump4 control1 30111 : pump5 control1 30112 : pump6 control1 30119 : pump1 control2 30120 : pump2 control2 30121 : pump3 control2 30122 : pump4 control2 30123 : pump5 control2 30124 : pump6 control2 30141 : DO 1 30142 : DO 2 30143 : DO 3 30144 : DO 4 30145 : DO 5 30146 : DO 6 30147 : DO 7 30148 : DO 8 30149 : DO 9 30150 : DO 10 30092 : flush ctrl 1 30093 : flush ctrl 2	none	–	RO	non-vol.
								30095 : op.hour alarm1 30096 : op.hour alarm2 30098 : pump alarm 1 30099 : pump alarm 2				
input2 status	REDigitalInputStatus	–	0	69	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input value 2	REDigitalInputValue	–	0	70	1	Unsigned8	Auto, OOS	0 ... 1	0	–	RO	dyna-mic
pump con-trol@@	REPumpControl1Select	RX356	0	71	2	Unsigned16	Auto, OOS	30100 : none 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30107 : pump1 control1 30108 : pump2 control1 30109 : pump3 control1 30110 : pump4 control1 30111 : pump5 control1 30112 : pump6 control1	none	–	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump control@@	REPumpControl2Select	XX999	0	72	2	Unsigned16	Auto, OOS	30100 : none 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30119 : pump1 control2 30120 : pump2 control2 30121 : pump3 control2 30122 : pump4 control2 30123 : pump5 control2 30124 : pump6 control2	none	-	RW	static
rake control@@	RERakeControl	RX204	0	73	2	Unsigned16	Auto, OOS	30135 : none 30007 : rake control	none	-	RW	static
function	REFieldbusDO	RX01E	0	74	2	Unsigned16	Auto, OOS	30140 : none 30141 : DO 1 30142 : DO 2 30143 : DO 3 30144 : DO 4 30145 : DO 5 30146 : DO 6 30147 : DO 7 30148 : DO 8 30149 : DO 9 30150 : DO 10	none	-	RW	static
pulse width	REImpulseWidth_ms	RX103	0	75	2	Unsigned16	Auto, OOS	200 ... 60000	1000	ms	RW	static
invert	REInverting	RX356	0	76	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
startdelay relay	REDelayTimePowerOn_s	-	0	77	2	Unsigned16	Auto, OOS	0 ... 65535	5	s	RO	static
simulation	RESimulation	RX106	0	78	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	-	RW	static
simulation value	RESimulationValue	RX106	0	79	2	Unsigned16	Auto, OOS	0 : switch off 1 : switch on	switch off	-	RW	static
stat.puls.count.	RE_HW_RelaisCondStatus	-	0	82	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dynamic
reset	REResetBlock	-	0	84	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dynamic
switch on /min	RELimitSwitchTdcOnPoint	RX103	0	98	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	60.000	REUnit16	RW	static
switch off /min	RELimitSwitchTdcOffPoint	RX103	0	99	4	Float	Auto, OOS	REERMinLimitValue ... REERMaxLimitValue	40.000	REUnit16	RW	static
function	REFlush1Select	RX605	0	139	2	Unsigned16	Auto, OOS	30091 : none 30092 : flush ctrl 1	none	-	RW	static
function	REFlush2Select	RX999	0	140	2	Unsigned16	Auto, OOS	30091 : none 30093 : flush ctrl 2	none	-	RW	static
function	REOpHourAlarm1Select	RX615	0	141	2	Unsigned16	Auto, OOS	30094 : none 30095 : op.hour alarm1	none	-	RW	static
function	REOpHourAlarm2Select	RX999	0	142	2	Unsigned16	Auto, OOS	30094 : none 30096 : op.hour alarm2	none	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
function	REPumpAlarm1Select	RX619	0	143	2	Unsigned16	Auto, OOS	30097 : none 30098 : pump alarm 1	none	–	RW	static
function	REPumpAlarm2Select	RX999	0	144	2	Unsigned16	Auto, OOS	30097 : none 30099 : pump alarm 2	none	–	RW	static

2.14 Analog Input Block (AI)

2.14.1 Instances

Instance	Slot	Index
1	1	16
2	2	16
3	3	16
4	4	16
5	5	16
6	6	16
7	7	16
8	8	16
9	9	16
10	10	16

2.14.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value	AIOutValue	OXA02	0	15	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	0.00000	-	RW	dyna-mic
status	AIOutStatus	OXA02	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dyna-mic
Target Mode	AITargetMode	-	0	21	1	Unsigned8	Auto, OOS	8 : auto 16 : manual 128 : out of service	auto	-	RW	static
position vessel	AILinType	-	0	29	1	Unsigned8	Auto, OOS	0 ... 0	0	-	RW	static
Channel	AIPBChannel	-	0	30	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	static
PV F time	AIPvFtime	-	0	32	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	0.00000	-	RW	static
FsafeType	AIFsafeType	-	0	33	1	Unsigned8	Auto, OOS	0 ... 2	1	-	RW	static
failsafe value	AIFsafeValue	-	0	34	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	0.00000	-	RW	static
hysteresis	AIAlarmHys	-	0	35	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	0.00000	-	RW	static
Hi Hi lim	AIHiHiLim	-	0	37	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	999999.00000	-	RW	static
Hi lim	AIHiLim	-	0	39	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	999999.00000	-	RW	static
Lo lim	AILoLim	-	0	41	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	-999999.00000	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Lo Lo lim	AILoLoLim	–	0	43	4	Float	Auto, OOS	-999999.00000 ... 999999.00000	-999999.00000	–	RW	static
out unit text	AIOutUnitText	–	0	51	16	VisibleString	Auto, OOS	16	–	–	RW	static
View1	AIView1	–	0	61	18	VisibleString	Auto, OOS	18	–	–	RO	dyna-mic
reset	AIResetBlock	–	0	84	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic
measured value@@	AIInputSource	OXA02	0	85	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 49 : temp. sensor10 50 : dist. sensor 1 51 : dist. sensor 2 52 : dist. sensor 3 53 : dist. sensor 4 54 : dist. sensor 5 55 : dist. sensor 6 56 : dist. sensor 7 57 : dist. sensor 8 58 : dist. sensor 9 59 : dist. sensor10 60 : totaliser 1 61 : totaliser 2 62 : totaliser 3 63 : daily count. 1 64 : daily count. 2 65 : daily count. 3	none	–	RW	static

2.15 Digital Input Block (DI)

2.15.1 Instances

Instance	Slot	Index
1	11	16
2	12	16
3	13	16
4	14	16
5	15	16
6	16	16
7	17	16
8	18	16
9	19	16
10	20	16

2.15.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
value	DIOutDValue	OXB03	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dyna-mic
status	DIOutDStatus	OXB03	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	dyna-mic
Target Mode	DITargetMode	-	0	21	1	Unsigned8	Auto, OOS	8 : auto 16 : manual 128 : out of service	auto	-	RW	static
Channel	DIPBChannel	-	0	30	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	non-vol.
invert	DIInvert	-	0	31	1	Unsigned8	Auto, OOS	0 ... 1	0	-	RW	static
FsafeType	DIFsafeType	-	0	36	1	Unsigned8	Auto, OOS	0 ... 2	1	-	RW	static
FsafeValD	DIFsafeValD	-	0	37	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	static
View1	DIView1	-	0	51	15	VisibleString	Auto, OOS	15	-	-	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
function	DIFunction	-	0	72	2	Unsigned16	Auto, OOS	30015 : none 30007 : rake control 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30107 : pump1 control1 30108 : pump2 control1 30109 : pump3 control1 30110 : pump4 control1 30111 : pump5 control1 30112 : pump6 control1 30119 : pump1 control2 30120 : pump2 control2 30121 : pump3 control2 30122 : pump4 control2 30123 : pump5 control2 30124 : pump6 control2 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7	none	-	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
								30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 30260 : relay 1 30261 : relay 2 30262 : relay 3 30263 : relay 4 30264 : relay 5 30265 : relay 6 30266 : relay 7 30267 : relay 8 30268 : relay 9 30269 : relay 10 30270 : relay 11 30271 : relay 12 30272 : relay 13 30273 : relay 14 30274 : relay 15 30275 : relay 16 30276 : relay 17 30277 : relay 18 30278 : relay 19 30279 : relay 20 30280 : relay 21 30092 : flush ctrl 1 30093 : flush ctrl 2 30095 : op.hour alarm1 30096 : op.hour alarm2 30098 : pump alarm 1 30099 : pump alarm 2				
reset	DIFunctionReset	OXB02	0	73	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
pump con-trol@@	DIPumpControl1Select	OXB02	0	74	2	Unsigned16	Auto, OOS	30100 : none 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30107 : pump1 control1 30108 : pump2 control1 30109 : pump3 control1 30110 : pump4 control1 30111 : pump5 control1 30112 : pump6 control1	none	–	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump control@@	DIPumpControl2Select	OXB02	0	75	2	Unsigned16	Auto, OOS	30100 : none 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30119 : pump1 control2 30120 : pump2 control2 30121 : pump3 control2 30122 : pump4 control2 30123 : pump5 control2 30124 : pump6 control2	none	-	RW	non-vol.
rake control@@	DIRakeControl	OXB02	0	76	2	Unsigned16	Auto, OOS	30135 : none 30007 : rake control	none	-	RW	non-vol.
input 1	DIBinaryInput	OXB02	0	77	2	Unsigned16	Auto, OOS	0 : none 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20	none	-	RW	non-vol.
input 1	DIRelaisSelect	OXB02	0	78	2	Unsigned16	Auto, OOS	0 : none 30260 : relay 1 30261 : relay 2 30262 : relay 3 30263 : relay 4 30264 : relay 5 30265 : relay 6 30266 : relay 7 30267 : relay 8 30268 : relay 9 30269 : relay 10 30270 : relay 11 30271 : relay 12 30272 : relay 13 30273 : relay 14 30274 : relay 15 30275 : relay 16 30276 : relay 17 30277 : relay 18 30278 : relay 19 30279 : relay 20 30280 : relay 21	none	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
allocation@@	DIInputSource	OXB03	0	79	2	Unsigned16	Auto, OOS	0 : none 30007 : rake control 30101 : pump1 control1 30102 : pump2 control1 30103 : pump3 control1 30104 : pump4 control1 30105 : pump5 control1 30106 : pump6 control1 30113 : pump1 control2 30114 : pump2 control2 30115 : pump3 control2 30116 : pump4 control2 30117 : pump5 control2 30118 : pump6 control2 30107 : pump1 control1 30108 : pump2 control1 30109 : pump3 control1 30110 : pump4 control1 30111 : pump5 control1 30112 : pump6 control1 30119 : pump1 control2 30120 : pump2 control2 30121 : pump3 control2 30122 : pump4 control2 30123 : pump5 control2 30124 : pump6 control2 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6	none	-	RO	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
								30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 30260 : relay 1 30261 : relay 2 30262 : relay 3 30263 : relay 4 30264 : relay 5 30265 : relay 6 30266 : relay 7 30267 : relay 8 30268 : relay 9 30269 : relay 10 30270 : relay 11 30271 : relay 12 30272 : relay 13 30273 : relay 14 30274 : relay 15 30275 : relay 16 30276 : relay 17 30277 : relay 18 30278 : relay 19 30279 : relay 20 30280 : relay 21 30092 : flush ctrl 1 30093 : flush ctrl 2 30095 : op.hour alarm1 30096 : op.hour alarm2 30098 : pump alarm 1 30099 : pump alarm 2				
reset	DIResetBlock	–	0	94	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic
function	DIFlush1Select	–	0	104	2	Unsigned16	Auto, OOS	30091 : none 30092 : flush ctrl 1	none	–	RW	static
function	DIFlush2Select	–	0	106	2	Unsigned16	Auto, OOS	30091 : none 30093 : flush ctrl 2	none	–	RW	static
function	DIOpHourAlarm1Select	–	0	108	2	Unsigned16	Auto, OOS	30094 : none 30095 : op.hour alarm1	none	–	RW	static
function	DIOpHourAlarm2Select	–	0	110	2	Unsigned16	Auto, OOS	30094 : none 30096 : op.hour alarm2	none	–	RW	static
function	DIPumpAlarm1Select	–	0	112	2	Unsigned16	Auto, OOS	30097 : none 30098 : pump alarm 1	none	–	RW	static
function	DIPumpAlarm2Select	–	0	114	2	Unsigned16	Auto, OOS	30097 : none 30099 : pump alarm 2	none	–	RW	static

2.16 Digital Output Block (DO)

2.16.1 Instances

Instance	Slot	Index
1	21	16
2	22	16
3	23	16
4	24	16
5	25	16
6	26	16
7	27	16
8	28	16
9	29	16
10	30	16

2.16.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
sp D value	DOSpDValue	–	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	dyna-mic
sp D status	DOSpDStatus	–	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	dyna-mic
value	DOOutDValue	–	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
status	DOOutDStatus	–	0	15	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
Target Mode	DOTargetMode	–	0	21	1	Unsigned8	Auto, OOS	2 : targ.mode rcas 8 : auto 16 : manual 32 : target mode lo 128 : out of service	auto	–	RW	static
Channel	DOPBChannel	–	0	33	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	non-vol.
invert	DOInvert	–	0	34	1	Unsigned8	Auto, OOS	0 ... 1	0	–	RW	static
failsafe time	DOFsafeTime	–	0	35	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	–	RW	static
FsafeType	DOFsafeType	–	0	36	1	Unsigned8	Auto, OOS	0 ... 2	2	–	RW	static
FsafeValD	DOFsafeValD	–	0	37	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	static
check back	DOCheckBack	–	0	49	3	VisibleString	Auto, OOS	3	–	–	RO	dyna-mic
check back mask	DOCheckBackMask	–	0	50	3	OctetString	Auto, OOS	3	0x00,0x0 0,0x00	–	RO	const

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
View1	DOView1	–	0	61	24	VisibleString	Auto, OOS	24	–	–	RO	dyna-mic
reset	DOResetBlock	–	0	84	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.17 Sum Block Level (SL)

2.17.1 Instances

Instance	Slot	Index
1	113	0

2.17.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	SLTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
input1 source	SLInputSource1	–	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1	none	–	RO	static
input1 status	SLInputValueStatus1	–	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 1	SLInputValue1	–	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SLInputUnit1_16	RO	dyna-mic
customer unit	SLInputUnit1_16	–	0	33	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
input2 source	SLInputSource2	–	0	34	2	Unsigned16	Auto, OOS	0 : none 30201 : level 2	none	–	RO	static
input status 2	SLInputValueStatus2	–	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input value 2	SLInputValue2	–	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SLInputUnit2_16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	SLInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
output status	SLOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output value	SLOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SLInputUnit1_16	RO	dyna-mic
reset	SLResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.18 Average Block Level (AL)

2.18.1 Instances

Instance	Slot	Index
1	114	0

2.18.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	ALTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	ALInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1	none	-	RO	static
input1 status	ALInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	ALInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	ALIn-putU nit1_ 16	RO	dyna-mic
customer unit	ALInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
input2 source	ALInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30201 : level 2	none	-	RO	static
input2 status	ALInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 2	ALInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	ALIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	ALInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
output value	ALOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output status	ALOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	ALIn-putU nit1_ 16	RO	dyna-mic
reset	ALResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.19 Difference Block Level 1 - 2

2.19.1 Instances

Instance	Slot	Index
1	131	0

2.19.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	DLTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	DLInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1	none	-	RO	static
input1 status	DLInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	DLInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DLIn-putU nit1_ 16	RO	dyna-mic
customer unit	DLInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
input2 source	DLInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30201 : level 2	none	-	RO	static
input status 2	DLInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 2	DLInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DLIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	DLInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
output status	DLOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output value	DLOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DLIn-putU nit1_ 16	RO	dyna-mic
reset	DLResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.20 Difference Block Level 2 - 1

2.20.1 Instances

Instance	Slot	Index
1	132	0

2.20.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	LDTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	LDInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1	none	-	RO	static
input1 status	LDInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	LDInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	LDIn-putU nit1_ 16	RO	dyna-mic
customer unit	LDInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
input2 source	LDInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30201 : level 2	none	-	RO	static
input status 2	LDInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 2	LDInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	LDIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	LDInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m 1018 : ft 1013 : mm 1019 : inch 1997 : 1995 : customer spec.	%	–	RO	dyna-mic
output status	LDOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output value	LDOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	LDIn-putU nit2_ 16	RO	dyna-mic
reset	LDResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.21 Sum Block Flow (SF)

2.21.1 Instances

Instance	Slot	Index
1	139	0

2.21.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	SFTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	SFInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1	none	-	RO	static
input1 status	SFInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	SFInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SFInputUnit1_16	RO	dyna-mic
flow unit	SFInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	-	RO	dyna-mic
input2 source	SFInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30221 : flow 2	none	-	RO	static
input status 2	SFInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 2	SFInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SFInputUnit2_16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
flow unit	SFInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RO	dyna-mic
output status	SFOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output value	SFOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	SFInp utUni t1_16	RO	dyna-mic
reset	SFResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.22 Average Block Flow (AF)

2.22.1 Instances

Instance	Slot	Index
1	140	0

2.22.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	AFTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
input1 source	AFInputSource1	–	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1	none	–	RO	static
input1 status	AFInputValueStatus1	–	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 1	AFInputValue1	–	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	AFIn-putU nit1_ 16	RO	dyna-mic
flow unit	AFInputUnit1_16	–	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RO	dyna-mic
input2 source	AFInputSource2	–	0	34	2	Unsigned16	Auto, OOS	0 : none 30221 : flow 2	none	–	RO	static
input2 status	AFInputValueStatus2	–	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
value 2	AFInputValue2	–	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	AFIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
flow unit	AFInputUnit2_16	-	0	38	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	-	RO	dyna-mic
output status	AFOutputValueStatus	-	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
output value	AFOutputValue	-	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	AFIn-putU nit1_ 16	RO	dyna-mic
reset	AFResetBlock	-	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic

2.23 Difference Block Flow 1 -2 (DF)

2.23.1 Instances

Instance	Slot	Index
1	141	0

2.23.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	DFTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	DFInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1	none	-	RO	static
input1 status	DFInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	DFInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DFIn-putU nit1_ 16	RO	dyna-mic
flow unit	DFInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	-	RO	dyna-mic
input2 source	DFInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30221 : flow 2	none	-	RO	static
input status 2	DFInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 2	DFInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DFIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
flow unit	DFInputUnit2_16	-	0	38	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	-	RO	dyna-mic
output status	DFOutputValueStatus	-	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
output value	DFOutputValue	-	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	DFIn-putU nit1_ 16	RO	dyna-mic
reset	DFResetBlock	-	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic

2.24 Difference Block Flow 2 - 1 (FD)

2.24.1 Instances

Instance	Slot	Index
1	142	0

2.24.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	FDTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
input1 source	FDInputSource1	-	0	29	2	Unsigned16	Auto, OOS	0 : none 30220 : flow 1	none	-	RO	static
input1 status	FDInputValueStatus1	-	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
value 1	FDInputValue1	-	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FDIn-putU nit1_ 16	RO	dyna-mic
flow unit	FDInputUnit1_16	-	0	33	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/ 1478 : iMgal/day	m3/h	-	RO	dyna-mic
input2 source	FDInputSource2	-	0	34	2	Unsigned16	Auto, OOS	0 : none 30221 : flow 2	none	-	RO	static
input status 2	FDInputValueStatus2	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
input value 2	FDInputValue2	-	0	37	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FDIn-putU nit2_ 16	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
flow unit	FDInputUnit2_16	–	0	38	2	Unsigned16	Auto, OOS	1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day	m3/h	–	RO	dyna-mic
output status	FDOutputValueStatus	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
output value	FDOutputValue	–	0	41	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	FDIn-putU nit2_ 16	RO	dyna-mic
reset	FDResetBlock	–	0	46	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.25 Pump Control Block - Enhanced (PE)

2.25.1 Instances

Instance	Slot	Index
1	162	0
2	164	0

2.25.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	PETargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
reference	PEInputSource	RX401	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2	none	-	RW	static
pump feedback	PEInSrcP1Running	RX406	0	34	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	-	RW	static
DI input status1	PEDigInP1RunningStat	-	0	36	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic
digital input 1	PEDigInP1RunningValue	-	0	37	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump feedback	PEInSrcP2Running	RX416	0	38	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInP2RunningStat	–	0	40	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInP2RunningValue	–	0	41	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump feedback	PEInSrcP3Running	RX426	0	42	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInP3RunningStat	–	0	44	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInP3RunningValue	–	0	45	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump feedback	PEInSrcP4Running	RX436	0	46	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInP4RunningStat	–	0	48	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInP4RunningValue	–	0	49	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump feedback	PEInSrcP5Running	RX446	0	50	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInP5RunningStat	–	0	52	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInP5RunningValue	–	0	53	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
pump feedback	PEInSrcP6Running	RX456	0	54	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInP6RunningStat	–	0	56	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInP6RunningValue	–	0	57	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
function	PEOperation	RX402	0	59	1	Unsigned8	Auto, OOS	0 : limit parallel 1 : limit single 2 : rate control	limit par-allel	–	RW	static
number of pumps	PENrOfPumps	RX401	0	60	1	Unsigned8	Auto, OOS	1 ... 6	1	–	RW	static
load control	PEDutySupervision	RX402	0	61	1	Unsigned8	Auto, OOS	0 : in order 1 : time of use 2 : starts 3 : starts + time	time of use	–	RW	static
standby pump	PEStandbyPumpYesNo	RX401	0	62	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on point	PESwitchOnPoint1	RX404	0	64	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPoint1	RX404	0	65	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
switch on tariff	PESwitchOnPointTarif1	RX619	0	66	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
switchoff tariff	PESwitchOffPointTarif1	RX619	0	67	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEInputUnit16	RW	static
crust reduction	PERandomband1	RX404	0	68	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEInputUnit16	RW	static
alternate	PEAlternatingMode1	RX404	0	70	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PEDelay1_s	RX404	0	71	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval1_h	RX405	0	72	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue1_s	RX405	0	73	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PEOutputOnAlarm1	RX405	0	74	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
feedback delay	PEDigInFeedbackTime1_s	RX406	0	75	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning1	RX406	0	76	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	-	RW	static
invert input	PEDigInInvers1	-	0	77	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	-	RW	static
degree of use	PETargetUsage1	RX404	0	78	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime1_m	RX404	0	79	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours1	RX613	0	80	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours1	RX611	0	82	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
total op. hours	PETotalOpHours1	RX611	0	83	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts1	RX611	0	84	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
backlash starts	PENumBacklashStarts1	RX611	0	85	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
starts per h	PEStartsPerHour1	RX611	0	86	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	-	RW	static
last run time	PELastActRunTime1_m	RX611	0	87	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours1	RX611	0	90	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dynamic
reset numb.start	PEResetNumStarts1	RX611	0	91	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dynamic
reset backlstart	PEResetBlashStarts1	RX611	0	92	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dynamic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
switch on point	PESwitchOnPoint2	RX414	0	97	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEInputUnit16	RW	static
switch off point	PESwitchOffPoint2	RX414	0	98	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEInputUnit16	RW	static
switch on tariff	PESwitchOnPointTarif2	RX629	0	99	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEInputUnit16	RW	static
switchoff tariff	PESwitchOffPointTarif2	RX629	0	100	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEInputUnit16	RW	static
crust reduction	PERandomband2	RX414	0	101	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEInputUnit16	RW	static
alternate	PEAlternatingMode2	RX414	0	103	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PEDelay2_s	RX414	0	104	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval2_h	RX415	0	105	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue2_s	RX415	0	106	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PEOutputOnAlarm2	RX415	0	107	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
feedback delay	PEDigInFeedbackTime2_s	RX416	0	108	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning2	RX416	0	109	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	-	RW	static
invert input	PEDigInInvers2	-	0	110	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	-	RW	static
degree of use	PETargetUsage2	RX414	0	111	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime2_m	RX414	0	112	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours2	RX623	0	113	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours2	RX621	0	115	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
total op. hours	PETotalOpHours2	RX621	0	116	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts2	RX621	0	117	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
backlash starts	PENumBacklashStarts2	RX621	0	118	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
starts per h	PEStartsPerHour2	RX621	0	119	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
last run time	PELastActRunTime2_m	RX621	0	120	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours2	RX621	0	123	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
reset numb.start	PEResetNumStarts2	RX621	0	124	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
reset backlstart	PEResetBlashStarts2	RX621	0	125	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
switch on point	PESwitchOnPoint3	RX424	0	130	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPoint3	RX424	0	131	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
switch on tariff	PESwitchOnPointTarif3	RX639	0	132	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switchoff tariff	PESwitchOffPointTarif3	RX639	0	133	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
crust reduction	PERandomband3	RX424	0	134	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEIn-putU nit16	RW	static
alternate	PEAlternatingMode3	RX424	0	136	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on delay	PEDelay3_s	RX424	0	137	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval3_h	RX425	0	138	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue3_s	RX425	0	139	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PEOutputOnAlarm3	RX425	0	140	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	–	RW	static
feedback delay	PEDigInFeedbackTime3_s	RX426	0	141	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning3	RX426	0	142	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	–	RW	static
invert input	PEDigInInvers3	–	0	143	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	–	RW	static
degree of use	PETargetUsage3	RX424	0	144	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime3_m	RX424	0	145	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours3	RX633	0	146	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours3	RX631	0	148	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
total op. hours	PETotalOpHours3	RX631	0	149	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts3	RX631	0	150	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
backlash starts	PENumBacklashStarts3	RX631	0	151	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
starts per h	PEStartsPerHour3	RX631	0	152	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	-	RW	static
last run time	PELastActRunTime3_m	RX631	0	153	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours3	RX631	0	156	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset numb.start	PEResetNumStarts3	RX631	0	157	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset backlstart	PEResetBlashStarts3	RX631	0	158	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
switch on point	PESwitchOnPoint4	RX434	0	163	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPoint4	RX434	0	164	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
switch on tariff	PESwitchOnPointTarif4	RX649	0	165	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switchoff tariff	PESwitchOffPointTarif4	RX649	0	166	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
crust reduction	PERandomband4	RX434	0	167	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEIn-putU nit16	RW	static
alternate	PEAlternatingMode4	RX434	0	169	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PEDelay4_s	RX434	0	170	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval4_h	RX435	0	171	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue4_s	RX435	0	172	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PEOutputOnAlarm4	RX435	0	173	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
feedback delay	PEDigInFeedbackTime4_s	RX436	0	174	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning4	RX436	0	175	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	-	RW	static
invert input	PEDigInInvers4	-	0	176	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
degree of use	PETargetUsage4	RX434	0	177	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime4_m	RX434	0	178	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours4	RX643	0	179	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours4	RX641	0	181	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
total op. hours	PETotalOpHours4	RX641	0	182	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts4	RX641	0	183	4	Unsigned32	Auto, OOS	0 ... 999999	0	–	RW	static
backlash starts	PENumBacklashStarts4	RX641	0	184	4	Unsigned32	Auto, OOS	0 ... 999999	0	–	RW	static
starts per h	PEStartsPerHour4	RX641	0	185	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	–	RW	static
last run time	PELastActRunTime4_m	RX641	0	186	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours4	RX641	0	189	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
reset numb.start	PEResetNumStarts4	RX641	0	190	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
reset backlstart	PEResetBlashStarts4	RX641	0	191	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic
switch on point	PESwitchOnPoint5	RX444	0	196	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPoint5	RX444	0	197	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
switch on tariff	PESwitchOnPointTarif5	RX659	0	198	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switchoff tariff	PESwitchOffPointTarif5	RX659	0	199	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
crust reduction	PERandomband5	RX444	0	200	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEIn-putU nit16	RW	static
alternate	PEAlternatingMode5	RX444	0	202	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	static
switch on delay	PEDelay5_s	RX444	0	203	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval5_h	RX445	0	204	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue5_s	RX445	0	205	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
error handling	PEOutputOnAlarm5	RX445	0	206	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
feedback delay	PEDigInFeedbackTime5_s	RX446	0	207	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning5	RX446	0	208	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	-	RW	static
invert input	PEDigInInvers5	-	0	209	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	-	RW	static
degree of use	PETargetUsage5	RX444	0	210	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime5_m	RX444	0	211	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours5	RX653	0	212	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours5	RX651	0	214	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
total op. hours	PETotalOpHours5	RX651	0	215	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts5	RX651	0	216	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
backlash starts	PENumBacklashStarts5	RX651	0	217	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
starts per h	PEStartsPerHour5	RX651	0	218	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	-	RW	static
last run time	PELastActRunTime5_m	RX651	0	219	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours5	RX651	0	222	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset numb.start	PEResetNumStarts5	RX651	0	223	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset backlstart	PEResetBlashStarts5	RX651	0	224	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
switch on point	PESwitchOnPoint6	RX454	0	229	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPoint6	RX454	0	230	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
switch on tariff	PESwitchOnPointTarif6	RX669	0	231	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switchoff tariff	PESwitchOffPointTarif6	RX669	0	232	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static
crust reduction	PERandomband6	RX454	0	233	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEIn-putU nit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
alternate	PEAlternatingMode6	RX454	0	235	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on delay	PEDelay6_s	RX454	0	236	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
backl. interval	PEAddRunTimeInterval6_h	RX455	0	237	2	Unsigned16	Auto, OOS	0 ... 1000	0	h	RW	static
backlash time	PEAddRunTimeValue6_s	RX455	0	238	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
error handling	PEOutputOnAlarm6	RX455	0	239	1	Unsigned8	Auto, OOS	0 : actual value 1 : hold 2 : switch on 3 : switch off	actual value	-	RW	static
feedback delay	PEDigInFeedbackTime6_s	RX456	0	240	1	Unsigned8	Auto, OOS	0 ... 255	30	s	RW	static
feedb. meaning	PEDigInMeaning6	RX456	0	241	1	Unsigned8	Auto, OOS	0 : pump start 1 : pump failure	pump start	-	RW	static
invert input	PEDigInInvers6	-	0	242	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	-	RW	static
degree of use	PETargetUsage6	RX454	0	243	4	Float	Auto, OOS	0.0 ... 100.0	50.0	%	RW	static
max. use time	PEMaxUsageTime6_m	RX454	0	244	2	Unsigned16	Auto, OOS	0 ... 2000	0	min	RW	static
max. op. hours	PEMaxOperatingHours6	RX663	0	245	4	Unsigned32	Auto, OOS	0 ... 999999	10000	h	RW	static
operating hours	PEOperatingHours6	RX661	0	247	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
total op. hours	PETotalOpHours6	RX661	0	248	4	Unsigned32	Auto, OOS	0 ... 999999	0	h	RW	static
number of starts	PENumStarts6	RX661	0	249	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
backlash starts	PENumBacklashStarts6	RX661	0	250	4	Unsigned32	Auto, OOS	0 ... 999999	0	-	RW	static
starts per h	PEStartsPerHour6	RX661	0	251	4	Float	Auto, OOS	0.0 ... 999999.0	0.0	-	RW	static
last run time	PELastActRunTime6_m	RX661	0	252	4	Unsigned32	Auto, OOS	0 ... 999999	0	min	RW	static
reset op. hours	PEResetOpHours6	RX661	0	255	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset numb.start	PEResetNumStarts6	RX661	1	0	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
reset backlstart	PEResetBlashStarts6	RX661	1	1	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	dyna-mic
switch on point	PESwitchOnPointRate	RX504	1	24	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEIn-putU nit16	RW	static
switch off point	PESwitchOffPointRate	RX504	1	25	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEIn-putU nit16	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
switch on tariff	PESwitchOnPointRateTarif	RX619	1	26	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEInputUnit16	RW	static
switchoff tariff	PESwitchOffPointRateTarif	RX619	1	27	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEInputUnit16	RW	static
crust reduction	PERandombandRate	RX504	1	28	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEInputUnit16	RW	static
alternate	PEAlternatingModeRate	RX504	1	30	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static
switch on border	PESwitchOnBorderRate	RX504	1	31	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEInputUnit16	RW	static
min.pumprate/ min	PETargetRate_CU_per_m	RX504	1	32	4	Float	Auto, OOS	-999999.000 ... 999999.000	0.000	PEInputUnit16	RW	static
hook up interval	PESwitchOnInterval_s	RX504	1	33	2	Unsigned16	Auto, OOS	0 ... 2000	0	s	RW	static
storm function	PEStormFunctionOnOff	RX601	1	35	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	-	RW	static
switch on point	PESwitchOnPointSTF	RX601	1	36	4	Float	Auto, OOS	-999999.000 ... 999999.000	95.000	PEInputUnit16	RW	static
switch off point	PESwitchOffPointSTF	RX601	1	37	4	Float	Auto, OOS	-999999.000 ... 999999.000	90.000	PEInputUnit16	RW	static
storm time	PEAlarmTimeSTF_m	RX601	1	38	2	Unsigned16	Auto, OOS	0 ... 2000	60	min	RW	static
function test	PEAutoTestOnOff	RX602	1	40	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	-	RW	static
max. downtime	PEMaxStillTimeAT_h	RX602	1	41	2	Unsigned16	Auto, OOS	0 ... 9999	0	h	RW	static
max. test time	PEMaxOnTimeAT_s	RX602	1	42	2	Unsigned16	Auto, OOS	0 ... 2000	60	s	RW	static
switch on point	PESwitchOnPointAT	RX602	1	43	4	Float	Auto, OOS	-999999.000 ... 999999.000	20.000	PEInputUnit16	RW	static
switch off point	PESwitchOffPointAT	RX602	1	44	4	Float	Auto, OOS	-999999.000 ... 999999.000	10.000	PEInputUnit16	RW	static
tariff control	PETarifOnOff	RX607	1	46	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	-	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
tariff input	PEInSrcSelectTarifInput	RX607	1	47	2	Unsigned16	Auto, OOS	0 : disabled 30240 : ext. digin 1 30241 : ext. digin 2 30242 : ext. digin 3 30243 : ext. digin 4 30244 : ext. digin 5 30245 : ext. digin 6 30246 : ext. digin 7 30247 : ext. digin 8 30248 : ext. digin 9 30249 : ext. digin 10 30250 : ext. digin 11 30251 : ext. digin 12 30252 : ext. digin 13 30253 : ext. digin 14 30254 : ext. digin 15 30255 : ext. digin 16 30256 : ext. digin 17 30257 : ext. digin 18 30258 : ext. digin 19 30259 : ext. digin 20 21 : Fieldbus DO1 22 : Fieldbus DO2 23 : Fieldbus DO3 24 : Fieldbus DO4 25 : Fieldbus DO5 26 : Fieldbus DO6 27 : Fieldbus DO7 28 : Fieldbus DO8 29 : Fieldbus DO9 30 : Fieldbus DO10	disabled	–	RW	static
DI input status1	PEDigInSelectTarifInputStat	–	1	49	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
digital input 1	PEDigInSelectTarifInputVa-lue	–	1	50	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
invert input	PETarifDigInInvers	–	1	51	1	Unsigned8	Auto, OOS	0 : normal 1 : inverse	normal	–	RW	static
flush control	PEFlushControlOnOff	RX603	1	53	1	Unsigned8	Auto, OOS	0 : off1 : on	off	–	RW	static
pump cycles	PEFCTotalCycles	RX603	1	54	2	Unsigned16	Auto, OOS	0 ... 9999	0	–	RW	static
flush cycles	PEFCFlushCycles	RX603	1	55	2	Unsigned16	Auto, OOS	0 ... 9999	0	–	RW	static
flush time	PEFCOnTime_s	RX603	1	56	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
flush delay	PEFCdelayTime_s	RX603	1	57	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
op. hour alarm	PEOpHalarmOnOff	RX612	1	59	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	–	RW	static
alarm delay	PEOpHalarmDelay_s	RX612	1	60	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static
pump alarm	PECollectiveAlarmOnOff	RX617	1	62	1	Unsigned8	Auto, OOS	0 : off 1 : on	off	–	RW	static
waiting time	PECollAlmDelayTime_s	RX617	1	63	1	Unsigned8	Auto, OOS	0 ... 255	0	s	RW	static

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
reset	PEResetBlock	–	1	64	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic
reset	PEFunctionReset	RX401	1	150	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	dyna-mic

2.26 Transducer Block (TB)

2.26.1 Instances

Instance	Slot	Index
1	149	0
2	150	0
3	151	0
4	152	0
5	153	0
6	154	0
7	155	0
8	156	0
9	157	0
10	158	0

2.26.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	TBTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
allocation	TBInputSource1	–	0	29	2	Unsigned16	Auto, OOS	0 : none 30200 : level 1 30201 : level 2 30202 : level 3 30203 : level 4 30204 : level 5 30205 : level 6 30206 : level 7 30207 : level 8 30208 : level 9 30209 : level 10 11 : level 1+2 12 : average level 13 : level 1-2 14 : level 2-1 30220 : flow 1 30221 : flow 2 17 : flow 1+2 18 : flow average 19 : flow 1-2 20 : flow 2-1 21 : flow 1 backwa. 22 : ratio backwat. 23 : ratio rake 40 : temp. sensor 1 41 : temp. sensor 2 42 : temp. sensor 3 43 : temp. sensor 4 44 : temp. sensor 5 45 : temp. sensor 6 46 : temp. sensor 7 47 : temp. sensor 8 48 : temp. sensor 9 51 : curr out1 52 : curr out2 53 : curr out3 54 : curr out4 55 : curr out5 56 : curr out6 57 : curr out7 58 : curr out8 59 : curr out9 60 : curr out10 61 : analogin out1 62 : analogin out2 63 : analogin out3 64 : analogin out4 65 : analogin out5 66 : analogin out6 67 : analogin out7 68 : analogin out8 69 : analogin out9 70 : analogin out10	none	–	RW	static
input1 status	TBInputStatus1	–	0	31	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RO	dyna-mic
input value 1	TBInputValue1	–	0	32	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	–	RO	dyna-mic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
customer unit	TBUnit16	IX10G	0	33	2	Unsigned16	Auto, OOS	1342 : % 1038 : l 1041 : hl 1034 : m3 1035 : dm3 1036 : cm3 1043 : ft3 1048 : usgal 1049 : i gal 1088 : kg 1092 : t 1094 : lb 1095 : ton 1010 : m1018 : ft1013 : mm 1019 : inch 1351 : l/s 1352 : l/min 1353 : l/h 1347 : m3/s 1348 : m3/min 1349 : m3/h 1356 : Ft3/s 1362 : gal/s 1363 : gal/m 1364 : gal/hr 1366 : mgal/d 1367 : igal/s 1368 : igal/m 1369 : igal/h 1355 : Ml/day 1521 : Ml/h 1522 : Ml/min 1523 : Ml/s 1478 : iMgal/day 1001 : -°C 1002 : -°F 1211 : mA 1996 : Ml 1042 : In- 1524 : us mgal 1051 : barrels 1997 : 1995 : customer spec.	%	-	RO	dyna-mic
time interval	TBSaveInterval1_s	IX10F	0	34	2	Unsigned16	Auto, OOS	1 ... 65535	1	s	RW	static
reset	TBResetBlock	-	0	35	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dyna-mic

2.27 External Temperature Block (XT)

2.27.1 Instances

Instance	Slot	Index
1	64	0
2	65	0

2.27.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	XTTargetMode	-	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	-	RW	non-vol.
sensor type	XTInput	DX020	0	29	1	Unsigned8	Auto, OOS	0 : no sensor 1 : FMT131 2 : PT100	no sensor	-	RW	static
temperature unit	XTTemperatureUnit16	DX020	0	30	2	Unsigned16	Auto, OOS	1001 : -°C 1002 : -°F	-°C	-	RO	non-vol.
value at warning	XTTempValueOnWarning	DX022	0	31	2	Integer16	Auto, OOS	-237 ... 1000	20	XTTemperatureUnit16	RW	static
error handling	XTOutputOnTempSensDefect	DX022	0	32	1	Unsigned8	Auto, OOS	0 : alarm 1 : warning	alarm	-	RW	static
max. value	XTMaxMeasuredTemp_DegC	DX021	0	33	4	Float	Auto, OOS	-273.0 ... 1000.0	-273.0	XTTemperatureUnit16	RO	non-vol.
min. value	XTMinMeasuredTemp_DegC	DX021	0	34	4	Float	Auto, OOS	-273.0 ... 1000.0	1000.0	XTTemperatureUnit16	RO	non-vol.
reset	XTClearMinMaxMeasTemp	DX021	0	35	1	Unsigned8	Auto, OOS	0 : keep 1 : erase 2 : reset min. 3 : reset max.	keep	-	RW	dynamic
output status	XTExternalTempStatus	-	0	37	1	Unsigned8	Auto, OOS	0 ... 255	128	-	RO	dynamic
actual value	XTExternalTempValue	DX021	0	38	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	XTTemperatureUnit16	RO	dynamic
reset	XTResetBlock	-	0	42	2	Unsigned16	Auto, OOS	0 ... 65535	0	-	RW	dynamic

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
output value	XTExternalRawTempValue	S0040	0	43	4	Float	Auto, OOS	-999999.0 ... 999999.0	0.0	XTTemperature Unit16	RO	dynamic

2.28 Binary Input Block (BI)

2.28.1 Instances

Instance	Slot	Index
1	66	0
2	67	0
3	68	0
4	69	0
5	70	0
6	71	0
7	72	0
8	73	0
9	74	0
10	75	0
11	76	0
12	77	0
13	78	0
14	79	0
15	80	0
16	81	0
17	82	0
18	83	0
19	84	0
20	85	0

2.28.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	BITargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
invert	BIInverting	DX025	0	30	1	Unsigned8	Auto, OOS	0 : no 1 : yes	no	–	RW	non-vol.
reset	BIResetBlock	–	0	35	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

2.29 UG Block

2.29.1 Instances

Instance	Slot	Index
1	43	0

2.29.2 Structure

Parameter Text	Variable Name	Position Indicator	Slot (relative)	Index (absolute)	Size [bytes]	Type	Changeable in Mode	Range	Default	Unit	Access	Storage Class
Target Mode	UGTargetMode	–	0	5	1	Unsigned8	Auto, OOS	0 ... 255	0	–	RW	non-vol.
reset	UGResetBlock	–	0	38	2	Unsigned16	Auto, OOS	0 ... 65535	0	–	RW	dyna-mic

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