

[\[Process Data\]](#)
[\[Standard Variables\]](#)
[\[Variables\]](#)
[\[Menus\]](#)

PT16907x

Vendor ID	780 (0x030c)	
Vendor Name	ipf electronic gmbh	
Vendor Text	www.ipf.de	
Vendor URL	http://www.ipf.de	
Device ID	1069313 (0x105101)	
DeviceFamily	PT16907x	
Features		
Block Parameter	yes	
Data Storage	yes	
Profile Characteristic	0x000d (Device Profile: ?Unknown?)	
Supported Access Locks	Parameter: no, Data Storage: yes, Local Parameterization: no, Local User Interface: no	
Communication		
IO-Link Revision	V1.1	
Transmission Rate	230400 bit/s (COM3)	
Minimum Cycle Time	1 ms	
SIO Mode Supported	yes	
M-Sequence Capability	PREOPERATE = TYPE_1_V with 8 octets on-request data OPERATE = TYPE_2_V with 2 octets on-request data ISDU supported	
Device Variant	PT169070	
Description	Photoelectric, Laser, analog, Connector M8	
Product ID	11245600	
Device Icon		
Device Symbol		
Connection Type	Non-standard connector	
Connection Description	M8-4 connector with analog output	
- pin 1	brown; L+; Power Supply	
- pin 2	white; Other; Analog Out	
- pin 3	(light) blue; L-; Power Supply	
- pin 4	black; C/Q; SIO/IO-Link	

[\[Top\]](#)

ProcessData id=P_ProcessData

ProcessDataIn "Process Data In" id=PI_ProcessDataIn

bit length: 48

data type: 48-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	16	32-bit Integer						Distance	
2	8	8-bit Integer						Scale	
7	3	Boolean						Alarm Output	
8	2	Boolean						Quality Bit	
10	0	Boolean						SSC1/Distance	

Octet 0

bit offset	47	46	45	44	43	42	41	40
subindex					1			
element bit	31	30	29	28	27	26	25	24

Octet 1

bit offset	39	38	37	36	35	34	33	32
subindex					1			

element bit	23	22	21	20	19	18	17	16
Octet 2								
bit offset	31	30	29	28	27	26	25	24
subindex	1							
element bit	15	14	13	12	11	10	9	8
Octet 3								
bit offset	23	22	21	20	19	18	17	16
subindex	1							
element bit	7	6	5	4	3	2	1	0
Octet 4								
bit offset	15	14	13	12	11	10	9	8
subindex	2							
element bit	7	6	5	4	3	2	1	0
Octet 5								
bit offset	7	6	5	4	3	2	1	0
subindex	/////	/////	/////	/////	7	8	/////	10

ProcessDataOut "Process Data Out" id=PO_ProcessDataOut

bit length: 2
data type: 2-bit Record (subindex access not supported)

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	1	Boolean						Find Me	
2	0	Boolean						Laser ON/OFF	
Octet 0									
bit offset	7	6	5	4	3	2	1	0	
subindex							1	2	

[Top]

Standard Variable "Direct Parameters 1" index=0 id=V_DirectParameters_1

data type: 128-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	120	8-bit UInteger			ro			Reserved	
2	112	8-bit UInteger			ro			Master Cycle Time	
3	104	8-bit UInteger			ro			Min Cycle Time	
4	96	8-bit UInteger			ro			M-Sequence Capability	
5	88	8-bit UInteger		17	ro			IO-Link Version ID	
6	80	8-bit UInteger			ro			Process Data Input Length	
7	72	8-bit UInteger			ro			Process Data Output Length	
8	64	8-bit UInteger			ro			Vendor ID 1	
9	56	8-bit UInteger			ro			Vendor ID 2	
10	48	8-bit UInteger			ro			Device ID 1	
11	40	8-bit UInteger			ro			Device ID 2	
12	32	8-bit UInteger			ro			Device ID 3	
13	24	8-bit UInteger			ro			Reserved	
14	16	8-bit UInteger			ro			Reserved	
15	8	8-bit UInteger			ro			Reserved	
16	0	8-bit	130 = Restore Factory		wo	X		Standard Command	

	UInteger	Settings						
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octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64
subindex	1	2	3	4	5	6	7	8
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	9	10	11	12	13	14	15	16
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

Standard Variable "Direct Parameters 2" index=1 id=V_DirectParameters_2

data type: 128-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	120	8-bit UInteger						Device Specific Parameter 1	
2	112	8-bit UInteger						Device Specific Parameter 2	
3	104	8-bit UInteger						Device Specific Parameter 3	
4	96	8-bit UInteger						Device Specific Parameter 4	
5	88	8-bit UInteger						Device Specific Parameter 5	
6	80	8-bit UInteger						Device Specific Parameter 6	
7	72	8-bit UInteger						Device Specific Parameter 7	
8	64	8-bit UInteger						Device Specific Parameter 8	
9	56	8-bit UInteger						Device Specific Parameter 9	
10	48	8-bit UInteger						Device Specific Parameter 10	
11	40	8-bit UInteger						Device Specific Parameter 11	
12	32	8-bit UInteger						Device Specific Parameter 12	
13	24	8-bit UInteger						Device Specific Parameter 13	
14	16	8-bit UInteger						Device Specific Parameter 14	
15	8	8-bit UInteger						Device Specific Parameter 15	
16	0	8-bit UInteger						Device Specific Parameter 16	

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64
subindex	1	2	3	4	5	6	7	8
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	9	10	11	12	13	14	15	16
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

Standard Variable "Standard Command" index=2 id=V_SystemCommand

data type: 8-bit UInteger

allowed values: 130 = Restore Factory Settings

access rights: wo

modifies other variables

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Standard Variable "Device Access Locks" index=12 id=V_DeviceAccessLocks

data type: 16-bit Record (subindex access not supported)

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	Boolean						Parameter (write) Access Lock	
2	1	Boolean		false				Data Storage Lock	
3	2	Boolean						Local Parameterization Lock	
4	3	Boolean						Local User Interface Lock	

Octet 0

bit offset	15	14	13	12	11	10	9	8
subindex	/////	/////	/////	/////	/////	/////	/////	/////

Octet 1

bit offset	7	6	5	4	3	2	1	0
subindex	/////	/////	/////	/////	4	3	2	1

Standard Variable "Vendor Name" index=16 id=V_VendorName

data type: 64-octet String UTF-8

default value: "ipf electronic gmbh"

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Vendor Text" index=17 id=V_VendorText

data type: 64-octet String UTF-8

default value: "www.ipf.de"

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
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bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384
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octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product Name" index=18 id=V_ProductName

data type: 64-octet String UTF-8
 default value: ""
 access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product ID" index=19 id=V_ProductID

data type: 64-octet String UTF-8
 default value: ""
 access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
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bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320
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octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Product Text" index=20 id=V_ProductText

data type: 64-octet String UTF-8

default value: "Photoelectric, Laser, analog, Connector M8"

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Serial Number" index=21 id=V_SerialNumber

data type: 16-octet String UTF-8

default value: ""

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	8	9	10	11	12	13	14	15
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Hardware Version" index=22 id=V_HardwareRevision

data type: 64-octet String UTF-8

default value: ""

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Firmware Version" index=23 id=V_FirmwareRevision

data type: 64-octet String UTF-8

default value: ""

access rights: ro

octet	0	1	2	3	4	5	6	7
bit offset	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456	455 - 448

octet	8	9	10	11	12	13	14	15
bit offset	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392	391 - 384

octet	16	17	18	19	20	21	22	23
bit offset	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328	327 - 320

octet	24	25	26	27	28	29	30	31
bit offset	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264	263 - 256

octet	32	33	34	35	36	37	38	39
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	40	41	42	43	44	45	46	47
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	48	49	50	51	52	53	54	55
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	56	57	58	59	60	61	62	63
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Application Specific Tag" index=24 id=V_ApplicationSpecificTag

data type: 32-octet String UTF-8

default value: "****"

access rights: rw

octet	0	1	2	3	4	5	6	7
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bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192
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octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Standard Variable "Device Status" index=36 id=V_DeviceStatus

data type: 8-bit UInteger

allowed values: 0 = Device is OK, 1 = Maintenance required, 2 = Out of specification, 3 = Functional check, 4 = Failure, 5..255 = Reserved

access rights: ro

dynamic

octet	0	
bit offset	7 - 0	
element bit	7 - 0	

Standard Variable "Detailed Device Status" index=37 id=V_DetailedDeviceStatus

data type: Array[1] of 3-octet OctetString (subindex access not supported)

access rights: ro

dynamic

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	1	1	

Standard Variable "Process Data Input" index=40 id=V_ProcessDataInput

data type: see ProcessDataIn!

access rights: ro

dynamic

Standard Variable "Process Data Output" index=41 id=V_ProcessDataOutput

data type: see ProcessDataOut!

access rights: ro

dynamic

[\[Top\]](#)

Variable "Function Tag" index=25 id=V_FunctionTag

description: User specified function tag

data type: 32-octet String UTF-8

default value: "****"

access rights: rw

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Location Tag" index=26 id=V_LocationTag

description: User specified location tag
data type: 32-octet String UTF-8
default value: "****"
access rights: rw

octet	0	1	2	3	4	5	6	7
bit offset	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200	199 - 192

octet	8	9	10	11	12	13	14	15
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128

octet	16	17	18	19	20	21	22	23
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64

octet	24	25	26	27	28	29	30	31
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0

Variable "SSC1 Param" index=60 id=V_SSC1_Setpoints

description: Switching Signal Channel Setpoints
data type: 64-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	32	Float32	-10..26	24				SP 1	Switching distance for Setpoint 1.
2	0	Float32	-10..26	18				SP 2	Switching distance for Setpoint 2. Setpoint 2 is only used in Config Mode 'Window'.

octet	0	1	2	3	4	5	6	7
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	1	1	1	1	2	2	2	2
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

Variable "SSC1 Config" index=61 id=V_SSC1_Config

description: Switching Signal Channel Configuration
data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	8	8-bit UInteger	0 = Active Low, 1 = Active High	1				Polarity	Selects the digital output polarity. It can be changed between 'active if object is present (active high)' or 'inactive if object is present (active low)'
2	0	8-bit UInteger	0 = Single Point, 1 = Window	1				Mode	Selects the SSC switch mode.

octet	0	1	
bit offset	15 - 8	7 - 0	
subindex	1	2	
element bit	7 - 0	7 - 0	

Variable "Exposure Reserve" index=64 id=V_ExposureReserve

description: Relative value representing the mount of light reflected by the target. Range from 0 to 100.
data type: 24-bit Record
access rights: ro
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	8	16-bit UInteger						Exposure Reserve	
2	0	8-bit						Quality	Evaluation of the Exposure Reserve value and indication for

	UInteger					Level	the signal quality. 0: Signal ok, 1: Low Signal, 2: Critical Signal		
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octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	1	1	2	
element bit	15 - 8	7 - 0	7 - 0	

Variable "Measurement Range" index=66 id=V_MeasurementRange

description: Range within the sensor returns a valid distance

data type: 64-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	32	Float32	16..26	16				Distance Near	Lower Limit of the measurement range
2	0	Float32	16..26	26				Distance Far	Upper Limit of the measurement range

octet	0	1	2	3	4	5	6	7
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	1	1	1	1	2	2	2	2
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

Variable "Hysteresis" index=69 id=V_SSC_HysteresisSettings

description: Switching signal channel hysteresis settings

data type: 32-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	Float32	-10..10	0.015				SSC1 Width	Hysteresis width in [mm]

octet	0	1	2	3	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	1	1	1	1	
element bit	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "Operation Mode" index=77 id=V_OperationMode

description: All different operation modes

data type: 48-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	8-bit UInteger	0 = Standard, 1 = High, 2 = Very High, 3 = Highest, 4 = Custom	3				Precision Filter	Selects the filter level to be applied.
3	32	8-bit UInteger	0 = Free Running, 2 = Interval	0				Sampling Mode	Selects if the sensor should measure as fast as possible (Free Running) or with a fixed measurement rate (Interval).
4	0	32-bit UInteger	250..50000	2000				Sampling Time	Interval time if sampling mode 'Interval' is selected.

octet	0	1	2	3	4	5	
bit offset	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	1	3	4	4	4	4	
element bit	7 - 0	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "DI/DO Settings" index=78 id=V_DIDOSettings

data type: 16-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	0	16-bit UInteger	100 = SSC1 - Switch State, 101 = SSC1 - Alarm	101				OUT1 Mode	Selects the function of the digital output (also includes the behaviour of the output indication LED).

octet	0	1	
bit offset	15 - 8	7 - 0	
subindex	2	2	
element bit	15 - 8	7 - 0	

Variable "Teach Lock Settings" index=80 id=V_TeachLockSettings

description: Teach lock settings

data type: 8-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	8-bit UInteger		5				Button Time Out	Time until teach button is locked. Teach button never locks if 0 and is always locked with 0xFF.

octet	0	
bit offset	7 - 0	
subindex	1	
element bit	7 - 0	

Variable "Measurement Values" index=88 id=V_MeasurementValues

description: Measurement Values

data type: 96-bit Record

access rights: ro

dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	64	Float32						PV1 Value	Distance [mm]
2	32	Float32						PV1 Rate	Measurement Rate
9	0	32-bit UInteger						PV1 Response Delay	Response Delay

octet	0	1	2	3	4	5	6	7
bit offset	95 - 88	87 - 80	79 - 72	71 - 64	63 - 56	55 - 48	47 - 40	39 - 32
subindex	1	1	1	1	2	2	2	2
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

octet	8	9	10	11	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	9	9	9	9	
element bit	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "Teach Mode Settings" index=100 id=V_TeachModeSettings

description: Settings configuring the teach modes

data type: 8-bit Record (subindex access not supported)

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	8-bit UInteger	0 = XPert, 1 = XPress (Zero Position)	0				Local Teach Mode	Selects the teach mode (Teach button). XPert: zero position and analog output range, XPress: zero position

octet	0	
bit offset	7 - 0	
subindex	1	
element bit	7 - 0	

Variable "Zero Position" index=105 id=V_ZeroPosition

data type: 32-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	32-bit UInteger	0..26000	0				Zero Position	Shifting the zero position of the measured values in relation to the sensor front.

octet	0	1	2	3	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	1	1	1	1	
element bit	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "Analog Setting" index=116 id=V_AnalogSetting

description: Analog Setting as output type and output value in an alarm situation
data type: 24-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	16	8-bit UInteger	0 = 4..20 mA, 1 = 2..10 mA	0				Output Type	Selects the analog output range
4	0	16-bit UInteger	0 = Last Valid, 1 = Near, 2 = Far	1				Value after Dropout	Selection of the analog output behaviour after invalid measurements.

octet	0	1	2	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	2	4	4	
element bit	7 - 0	15 - 8	7 - 0	

Variable "Process Value Moving Average Filter" index=161 id=V_PV_MovAvgFilter

data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	0	16-bit UInteger	1..256	256				Custom Moving Average Length	Length of the moving average filter if precision filter 'Custom' is selected.

octet	0	1	
bit offset	15 - 8	7 - 0	
subindex	2	2	
element bit	15 - 8	7 - 0	

Variable "Process Value Moving Median Filter" index=162 id=V_PV_MovMedianFilter

data type: 16-bit Record
access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	0	16-bit UInteger	1..21	21				Custom Moving Median Length	Length of the moving median filter if precision filter 'Custom' is selected.

octet	0	1	
bit offset	15 - 8	7 - 0	

subindex	2	2	
element bit	15 - 8	7 - 0	

Variable "Process Value Disruption Filter" index=164 id=V_PV_DisruptionFilter

description: Disruption filter inhibits short timed measurement value changes over a given time

data type: 16-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	0	16-bit UInteger	0..60000	0				Hold Time	Time span after an invalid measurement in which the outputs maintains there last valid values.

octet	0	1	
bit offset	15 - 8	7 - 0	
subindex	2	2	
element bit	15 - 8	7 - 0	

Variable "Analog Output" index=202 id=V_PV_2PointScaler

data type: 72-bit Record

access rights: rw

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	40	Float32	-10..26	16				Distance@Analog Min	Distance value in mm at the minimum value of the analog output
4	8	Float32	-10..26	26				Distance@Analog Max	Distance value in mm at the maximum value of the analog output
10	0	8-bit UInteger	0 = Not Inverted, 1 = Inverted	0				Output Characteristic	Indicates if the analog output is inverted.

octet	0	1	2	3	4	5	6	7
bit offset	71 - 64	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8
subindex	2	2	2	2	4	4	4	4
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

octet	8	
bit offset	7 - 0	
subindex	10	
element bit	7 - 0	

Variable "Operation Time" index=211 id=V_OperationTime

data type: 96-bit Record

access rights: ro

dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	64	32-bit UInteger		0				Powerup	Operation time since power-up
2	32	32-bit UInteger		0				Resetable	Operation time (Resetable by user command)
3	0	32-bit UInteger		0				Lifetime	Lifetime operation time

octet	0	1	2	3	4	5	6	7
bit offset	95 - 88	87 - 80	79 - 72	71 - 64	63 - 56	55 - 48	47 - 40	39 - 32
subindex	1	1	1	1	2	2	2	2
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

octet	8	9	10	11	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	3	3	3	3	

element bit	31 - 24	23 - 16	15 - 8	7 - 0	
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Variable "Distance Resetable Histogram" index=257 id=V_ProcessValue1ResetableHistogram

data type: 728-bit Record
access rights: ro
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
2	712	16-bit Unsigned Integer	1010 = Meter, 1011 = Kilometer, 1012 = Centimeter, 1013 = Millimeter, 1014 = Micrometer, 1997 = None					Unit	Unit
3	680	32-bit Integer						Range Start	Start of range
4	648	32-bit Integer						Range End	End of range
5	640	8-bit Unsigned Integer						Nbr of Bins	Number of acquired bins
11	608	32-bit Unsigned Integer						Bin 1	Bin 1
12	576	32-bit Unsigned Integer						Bin 2	Bin 2
13	544	32-bit Unsigned Integer						Bin 3	Bin 3
14	512	32-bit Unsigned Integer						Bin 4	Bin 4
15	480	32-bit Unsigned Integer						Bin 5	Bin 5
16	448	32-bit Unsigned Integer						Bin 6	Bin 6
17	416	32-bit Unsigned Integer						Bin 7	Bin 7
18	384	32-bit Unsigned Integer						Bin 8	Bin 8
19	352	32-bit Unsigned Integer						Bin 9	Bin 9
20	320	32-bit Unsigned Integer						Bin 10	Bin 10
21	288	32-bit Unsigned Integer						Bin 11	Bin 11
22	256	32-bit Unsigned Integer						Bin 12	Bin 12
23	224	32-bit Unsigned Integer						Bin 13	Bin 13
24	192	32-bit Unsigned Integer						Bin 14	Bin 14
25	160	32-bit Unsigned Integer						Bin 15	Bin 15
26	128	32-bit Unsigned Integer						Bin 16	Bin 16
27	96	32-bit Unsigned Integer						Bin 17	Bin 17
28	64	32-bit Unsigned Integer						Bin 18	Bin 18
29	32	32-bit Unsigned Integer						Bin 19	Bin 19
30	0	32-bit Unsigned Integer						Bin 20	Bin 20

octet	0	1	2	3	4	5	6	7
bit offset	727 - 720	719 - 712	711 - 704	703 - 696	695 - 688	687 - 680	679 - 672	671 - 664
subindex	2	2	3	3	3	3	4	4
element bit	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16

octet	8	9	10	11	12	13	14	15
bit offset	663 - 656	655 - 648	647 - 640	639 - 632	631 - 624	623 - 616	615 - 608	607 - 600
subindex	4	4	5	11	11	11	11	12
element bit	15 - 8	7 - 0	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	16	17	18	19	20	21	22	23
bit offset	599 - 592	591 - 584	583 - 576	575 - 568	567 - 560	559 - 552	551 - 544	543 - 536
subindex	12	12	12	13	13	13	13	14
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	24	25	26	27	28	29	30	31
bit offset	535 - 528	527 - 520	519 - 512	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472
subindex	14	14	14	15	15	15	15	16
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	32	33	34	35	36	37	38	39
bit offset	471 - 464	463 - 456	455 - 448	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408
subindex	16	16	16	17	17	17	17	18
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	40	41	42	43	44	45	46	47
bit offset	407 - 400	399 - 392	391 - 384	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344
subindex	18	18	18	19	19	19	19	20
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	48	49	50	51	52	53	54	55
bit offset	343 - 336	335 - 328	327 - 320	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280
subindex	20	20	20	21	21	21	21	22
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	56	57	58	59	60	61	62	63
bit offset	279 - 272	271 - 264	263 - 256	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216
subindex	22	22	22	23	23	23	23	24
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	64	65	66	67	68	69	70	71
bit offset	215 - 208	207 - 200	199 - 192	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152
subindex	24	24	24	25	25	25	25	26
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	72	73	74	75	76	77	78	79
bit offset	151 - 144	143 - 136	135 - 128	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88
subindex	26	26	26	27	27	27	27	28
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	80	81	82	83	84	85	86	87
bit offset	87 - 80	79 - 72	71 - 64	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24
subindex	28	28	28	29	29	29	29	30
element bit	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24

octet	88	89	90	
bit offset	23 - 16	15 - 8	7 - 0	
subindex	30	30	30	
element bit	23 - 16	15 - 8	7 - 0	

Variable "Exposure Reserve Resetable Histogram" index=260 id=V_ProcessValue2ResetableHistogram

data type: 712-bit Record
access rights: ro
dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
3	680	32-bit UInteger						Range Start	Start of range
4	648	32-bit UInteger						Range End	End of range

5	640	8-bit UInteger						Nbr of Bins	Number of acquired bins
11	608	32-bit UInteger						Bin 1	Bin 1
12	576	32-bit UInteger						Bin 2	Bin 2
13	544	32-bit UInteger						Bin 3	Bin 3
14	512	32-bit UInteger						Bin 4	Bin 4
15	480	32-bit UInteger						Bin 5	Bin 5
16	448	32-bit UInteger						Bin 6	Bin 6
17	416	32-bit UInteger						Bin 7	Bin 7
18	384	32-bit UInteger						Bin 8	Bin 8
19	352	32-bit UInteger						Bin 9	Bin 9
20	320	32-bit UInteger						Bin 10	Bin 10
21	288	32-bit UInteger						Bin 11	Bin 11
22	256	32-bit UInteger						Bin 12	Bin 12
23	224	32-bit UInteger						Bin 13	Bin 13
24	192	32-bit UInteger						Bin 14	Bin 14
25	160	32-bit UInteger						Bin 15	Bin 15
26	128	32-bit UInteger						Bin 16	Bin 16
27	96	32-bit UInteger						Bin 17	Bin 17
28	64	32-bit UInteger						Bin 18	Bin 18
29	32	32-bit UInteger						Bin 19	Bin 19
30	0	32-bit UInteger						Bin 20	Bin 20

octet	0	1	2	3	4	5	6	7
bit offset	711 - 704	703 - 696	695 - 688	687 - 680	679 - 672	671 - 664	663 - 656	655 - 648
subindex	3	3	3	3	4	4	4	4
element bit	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0

octet	8	9	10	11	12	13	14	15
bit offset	647 - 640	639 - 632	631 - 624	623 - 616	615 - 608	607 - 600	599 - 592	591 - 584
subindex	5	11	11	11	11	12	12	12
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	16	17	18	19	20	21	22	23
bit offset	583 - 576	575 - 568	567 - 560	559 - 552	551 - 544	543 - 536	535 - 528	527 - 520
subindex	12	13	13	13	13	14	14	14
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	24	25	26	27	28	29	30	31
bit offset	519 - 512	511 - 504	503 - 496	495 - 488	487 - 480	479 - 472	471 - 464	463 - 456
subindex	14	15	15	15	15	16	16	16
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	32	33	34	35	36	37	38	39
bit offset	455 - 448	447 - 440	439 - 432	431 - 424	423 - 416	415 - 408	407 - 400	399 - 392
subindex	16	17	17	17	17	18	18	18
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	40	41	42	43	44	45	46	47
bit offset	391 - 384	383 - 376	375 - 368	367 - 360	359 - 352	351 - 344	343 - 336	335 - 328
subindex	18	19	19	19	19	20	20	20
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	48	49	50	51	52	53	54	55
bit offset	327 - 320	319 - 312	311 - 304	303 - 296	295 - 288	287 - 280	279 - 272	271 - 264
subindex	20	21	21	21	21	22	22	22
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	56	57	58	59	60	61	62	63
bit offset	263 - 256	255 - 248	247 - 240	239 - 232	231 - 224	223 - 216	215 - 208	207 - 200
subindex	22	23	23	23	23	24	24	24
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	64	65	66	67	68	69	70	71
bit offset	199 - 192	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136
subindex	24	25	25	25	25	26	26	26
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	72	73	74	75	76	77	78	79
bit offset	135 - 128	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72
subindex	26	27	27	27	27	28	28	28
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	80	81	82	83	84	85	86	87
bit offset	71 - 64	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8
subindex	28	29	29	29	29	30	30	30
element bit	7 - 0	31 - 24	23 - 16	15 - 8	7 - 0	31 - 24	23 - 16	15 - 8

octet	88	
bit offset	7 - 0	
subindex	30	
element bit	7 - 0	

Variable "Non Standard Commands" index=1000 id=V_NonStandardCommands

description: Non Standard Commands

data type: 32-bit UInteger

allowed values: 1 = All Resettable Statistics Data Reset, 5 = Operation Resettable Data Reset, 16 = Distance Resettable Histogram Reset, 17 = Exposure Reserve Resettable Histogram Reset, 84 = Output Scale Distance at Analog Min, 85 = Output Scale Distance at Analog Max, 88 = Output Scale is set to the possible max, 208 = Zero Position Teach

access rights: wo

modifies other variables

octet	0	1	2	3	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
element bit	31 - 24	23 - 16	15 - 8	7 - 0	

Variable "MDC Descriptor" index=16512 id=V_MdcDescriptor

data type: 88-bit Record

access rights: ro

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	56	32-bit Integer						Lower Limit	Lower value of measuring range (considering the Zero Position offset).
2	24	32-bit Integer						Upper Limit	Upper value of measuring range (considering the Zero Position offset).
3	8	16-bit UInteger	1010 = Meter, 1011 = Kilometer, 1012 = Centimeter, 1013 = Millimeter, 1014 =					Unit Code	Indicates the unit of the selected MDC source

V_OperationMode.Sampling Time μ s

Measurement Range

V_ZeroPosition.Zero Position μ m

V_NonStandardCommands, Button:=208

V_MeasurementRange.Distance Near mm

V_MeasurementRange.Distance Far mm

Invalid Value Handling

V_AnalogSetting.Value after Dropout

V_PV_DisruptionFilter.Hold Time ms

SSC1 Configuration

Setpoints

V_SSC1_Setpoints.SP 1 mm, Dec.3

V_SSC1_Setpoints.SP 2 mm, Dec.3

Config

V_SSC1_Config.Polarity

V_SSC1_Config.Mode

V_SSC_HysteresisSettings.SSC1 Width mm, Dec.3

Teach

Analog Out

V_NonStandardCommands, Button:=84

V_NonStandardCommands, Button:=85

V_NonStandardCommands, Button:=88

Local User Interface

V_TeachModeSettings

V_TeachLockSettings.Button Time Out min

Device Access Locks

V_DeviceAccessLocks.Data Storage Lock

Diagnosis Menu

Device Status

V_DeviceStatus

V_DetailedDeviceStatus

System Commands

V_NonStandardCommands, Button:=1

Operation Time

V_NonStandardCommands, Button:=5

V_OperationTime.Powerup s

V_OperationTime.Resettable s

V_OperationTime.Lifetime s

Histogram

Distance

V_NonStandardCommands, Button:=16

V_ProcessValue1ResettableHistogram

Exposure Reserve

V_NonStandardCommands, Button:=17

V_ProcessValue2ResettableHistogram

Specialist Menus

Identification Menu

V_VendorName

V_VendorText

V_ProductName

V_ProductID

V_ProductText

V_ApplicationSpecificTag

V_FunctionTag

V_LocationTag

V_SerialNumber

V_FirmwareRevision
V_HardwareRevision

Parameter Menu
Measurement Values
V_MeasurementValues.PV1 Value mm, Dec.3
V_MeasurementValues.PV1 Rate Hz, Dec.1
V_MeasurementValues.PV1 Response Delay μ s, Dec.0
Quality Parameters
V_ExposureReserve
System Commands
V_SystemCommand, Button:=130
Measuring Data Channel
V_MdcDescriptor
Operation Modes
V_OperationMode.Precision Filter
V_PV_MovAvgFilter.Custom Moving Average Length
V_PV_MovMedianFilter.Custom Moving Median Length
V_OperationMode.Sampling Mode
V_OperationMode.Sampling Time μ s
Measurement Range
V_ZeroPosition.Zero Position μ m
V_NonStandardCommands, Button:=208
V_MeasurementRange.Distance Near mm
V_MeasurementRange.Distance Far mm
Invalid Value Handling
V_AnalogSetting.Value after Dropout
V_PV_DisruptionFilter.Hold Time ms
SSC1 Configuration
Setpoints
V_SSC1_Setpoints.SP 1 mm, Dec.3
V_SSC1_Setpoints.SP 2 mm, Dec.3
Config
V_SSC1_Config.Polarity
V_SSC1_Config.Mode
V_SSC_HysteresisSettings.SSC1 Width mm, Dec.3
Teach
Analog Out
V_NonStandardCommands, Button:=84
V_NonStandardCommands, Button:=85
V_NonStandardCommands, Button:=88
Input/Output Settings
V_DIDOSettings.OUT1 Mode
Analog Output
V_AnalogSetting.Output Type mA
V_PV_2PointScaler.Output Characteristic
V_PV_2PointScaler.Distance@Analog Min mm
V_PV_2PointScaler.Distance@Analog Max mm
Local User Interface
V_TeachModeSettings
V_TeachLockSettings.Button Time Out min
Device Access Locks
V_DeviceAccessLocks.Data Storage Lock

Diagnosis Menu
Device Status
V_DeviceStatus
V_DetailedDeviceStatus

System Commands
V_NonStandardCommands, Button:=1

Operation Time
V_NonStandardCommands, Button:=5
V_OperationTime.Powerup s
V_OperationTime.Resettable s
V_OperationTime.Lifetime s

Histogram
Distance
V_NonStandardCommands, Button:=16
V_ProcessValue1ResettableHistogram
Exposure Reserve
V_NonStandardCommands, Button:=17
V_ProcessValue2ResettableHistogram

Note: This page shows the content of an IODD file transformed into HTML format. In the case of disparity between this and the XML view, the content of the XML file takes precedence.
Created by IODD Viewer V1.1.