





Version: V1.2.1.104

Release Date: 2025-11-25

[Process Data]
[Standard Variables]
[Variables]
[ErrorTypes]
[Events]
[Process Data Formatting]
[Menus]

ipf electronic DW50310x

Vendor ID	780 (0x030c)	
Vendor Name	ipf	
Vendor Text	www.ipf-electronic.de	
Vendor URL	www.ipf-electronic.de	
Device ID	3302401 (0x326401)	
DeviceFamily	ipf_pressure_monitor	
Features		
Block Parameter	yes	
Data Storage	yes	
Profile Characteristic	0x4000 (Common Application Profile: Identification and Diagnosis), 0x8101 (Function Class: Locator), 0x8102 (Function Class: Product URI)	
Supported Access Locks	Parameter: no, Data Storage: no, Local Parameterization: no, Local User Interface: no	
Communication		
IO-Link Revision	V1.1	
Transmission Rate	38400 bit/s (COM2)	
Minimum Cycle Time	4 ms	
SIO Mode Supported	yes	
M-Sequence Capability	PREOPERATE = TYPE_1_V with 8 octets on-request data OPERATE = TYPE_2_V with 1 octet on-request data ISDU supported	
Device Variant	Pressure monitor DW50310x	
Description	DW5x Application	
Product ID	DW5x310x	
Device Icon		
Device Symbol		
Connection Type	M12-4 connector	
Connection Symbol		
- pin 1	brown; L+	
- pin 2	white; Other; PNP NO / NC / Alarm / Analog	
- pin 3	(light) blue; L-	
- pin 4	black; C/Q	

[\[Top\]](#)**ProcessData id=P_Data_Std (condition V_ModusA2 = 1)****ProcessDataIn "PDIN_STD" id=PI_Data**

bit length: 56

data type: 56-bit Record

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	16-bit Integer						Pressure	Pressure value
2	24	16-bit Integer						Temperature	Temperature value
3	16	8-bit UInteger						O1	Condition output O1
4	0	16-bit UInteger						O2	Condition output O2 (binary)

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

subindex	1	1	2	2	3	4	4	
element bit	15 - 8	7 - 0	15 - 8	7 - 0	7 - 0	15 - 8	7 - 0	

ProcessData id=P_Data_Spng010 (condition V_ModusA2 = 2)

ProcessDataIn "PDIN_010V" id=PI2_Data

bit length: 56

data type: 56-bit Record

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	16-bit Integer						Pressure	Pressure value
2	24	16-bit Integer						Temperature	Temperature value
3	16	8-bit UInteger						O1	Condition output O1
4	0	16-bit UInteger						O2	Condition output O2 (binary)

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

ProcessData id=P_Data_Strm020 (condition V_ModusA2 = 4)

ProcessDataIn "PDIN_020mA" id=PI4_Data

bit length: 56

data type: 56-bit Record

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	16-bit Integer						Pressure	Pressure value
2	24	16-bit Integer						Temperature	Temperature value
3	16	8-bit UInteger						O1	Condition output O1
4	0	16-bit UInteger						O2	Condition output O2 (binary)

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

ProcessData id=P_Data_Spng05 (condition V_ModusA2 = 3)

ProcessDataIn "PDIN_05V" id=PI3_Data

bit length: 56

data type: 56-bit Record

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	16-bit Integer						Pressure	Pressure value
2	24	16-bit Integer						Temperature	Temperature value
3	16	8-bit UInteger						O1	Condition output O1
4	0	16-bit UInteger						O2	Condition output O2 (binary)

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

ProcessData id=P_Data_Strm420 (condition V_ModusA2 = 5)

ProcessDataIn "PDIN_420mA" id=PI5_Data

bit length: 56

data type: 56-bit Record

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	40	16-bit Integer						Pressure	Pressure value
2	24	16-bit Integer						Temperature	Temperature value
3	16	8-bit UInteger						O1	Condition output O1
4	0	16-bit UInteger						O2	Condition output O2 (binary)

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

[\[Top\]](#)

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

description: Comprises the required parameters defining the communication characteristics and identifiers for device validation.

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	Communication: Current communication cycle duration used by the master. This value defines the process data cycle.
3	104	8-bit UInteger			ro			Min Cycle Time	Communication: Minimum communication cycle duration supported by the device. This value defines the lowest possible process data cycle.
4	96	8-bit UInteger			ro			M-Sequence Capability	Communication: Information on the structure and the supported features of the communication messages.
5	88	8-bit UInteger		17	ro			IO-Link Revision ID	Communication: Identifier for the currently used communication protocol revision.
6	80	8-bit UInteger			ro			Process Data Input Length	Communication: Information on width and features of the process input data (Process Data from Device to Master).
7	72	8-bit UInteger			ro			Process Data Output Length	Communication: Information on width of the process output data (Process Data from Master to Device).
8	64	8-bit UInteger			ro			Vendor ID 1	Identification: Highest octet of the Vendor ID. Combined with the parameter Vendor ID 2, this parameter defines the 16-bit value of the unique Vendor ID as assigned by the IO-Link Community.
9	56	8-bit UInteger			ro			Vendor ID 2	Identification: Lowest octet of the Vendor ID. Combined with the parameter Vendor ID 1, this parameter defines the 16-bit value of the unique Vendor ID as assigned by the IO-Link Community.
10	48	8-bit UInteger			ro			Device ID 1	Identification: Highest octet of the Device ID. Combined with the parameters Device ID 2 and 3, this parameter defines the 24-bit value of the vendor-specific Device ID.
11	40	8-bit UInteger			ro			Device ID 2	Identification: Middle octet of the Device ID. Combined with the parameters Device ID 1 and 3, this parameter defines the 24-bit value of the vendor-specific Device ID.
12	32	8-bit UInteger			ro			Device ID 3	Identification: Lowest octet of the Device ID. Combined with the parameters Device ID 1 and 2, this parameter defines the 24-bit value of the vendor-specific Device ID.
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 UInteger			wo	X		System Command	Application: Command interface for devices without ISDU support. Validity and execution of commands are not confirmed.

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 "System Command" index=2 id=V_SystemCommand

description: Command interface for applications. A positive acknowledge indicates the complete and correct finalization of the requested function.

data type: 8-bit UInteger

allowed values: 126 = Locator Start, 127 = Locator Stop, 128 = Device Reset, 129 = Application Reset, 131 = Back-to-box, 160 = Reset temperature extremes, 161 = Reset pressure extremes, 162 = Reset switching cycles, 163 = Teach pressure switching point

access rights: wo

modifies other variables

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

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

description: The vendor name that is assigned to a Vendor ID.

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

description: Additional information about the vendor.

data type: 64-octet String UTF-8

default value: "www.ipf-electronic.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
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 Name" index=18 id=V_ProductName

description: Complete product name.

data type: 64-octet String UTF-8

default value: "Druckwaechter DW5x"

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

description: Vendor-specific product or type identification (e.g., item number or model number).

data type: 64-octet String UTF-8

default value: "DW5x310x"

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 Text" index=20 id=V_ProductText

description: Additional product information for the device.

data type: 64-octet String UTF-8

default value: "DW5x Application"

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

description: Unique, vendor-specific identifier of the individual device.

data type: 16-octet String UTF-8

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 Revision" index=22 id=V_HardwareRevision

description: Unique, vendor-specific identifier of the hardware revision of the individual device.

data type: 64-octet String UTF-8

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 Revision" index=23 id=V_FirmwareRevision

description: Unique, vendor-specific identifier of the firmware revision of the individual device.

data type: 64-octet String UTF-8

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

description: Possibility to mark a device with user- or application-specific information.

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

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

description: Indicator for the current device condition and diagnosis state.

data type: 8-bit UInteger

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

access rights: ro

dynamic

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

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

description: List of all currently pending events in the device.

data type: Array[4] of 3-octet OctetString (subindex access not supported)

access rights: ro

dynamic

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	2	2	2	3	3

octet	8	9	10	11	
bit offset	31 - 24	23 - 16	15 - 8	7 - 0	
subindex	3	4	4	4	

[\[Top\]](#)

Variable "Function Tag" index=25 id=V_CP_FunctionTag

description: Possibility to mark a device with function-specific information.

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_CP_LocationTag

description: Possibility to mark a device with location-specific information.

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 "Device name" index=67 id=V_Geraetenname

description: Indicates the ipf-name of the device.

data type: 16-octet String UTF-8

default value: "0"

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

Variable "Initial pressure" index=68 id=V_Druckanfang

data type: 8-bit Integer

access rights: ro

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

Variable "Final pressure" index=69 id=V_Druckende

data type: 16-bit UInteger

access rights: ro

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

Variable "Pressure unit" index=70 id=V_Einheit_Druck

description: Indicates the pressure in bar, MPa or psi

data type: 8-bit UInteger

allowed values: 0 = bar, 1 = MPa, 2 = psi

default value: 0

access rights: rw

modifies other variables

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

Variable "Switching point O1" index=71 id=V_Schaltpunkt_A1

description: Indicates the the switching point

data type: Float32

allowed values: -15..8700 = Pressure

default value: 5

access rights: rw

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 "Reset point O1" index=72 id=V_Rueckschaltpunkt_A1

description: Indicates the the reset point

data type: Float32
 allowed values: -15..8700 = Pressure
 default value: 1
 access rights: rw
 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 "Switching point 1 O1" index=73 id=V_Schaltpunkt1_A1

description: Indicates the the window switching point 1
 data type: Float32
 allowed values: -15..8700 = Pressure
 default value: 2
 access rights: rw
 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 "Switching point 2 O1" index=74 id=V_Schaltpunkt2_A1

description: Indicates the the window switching point 2
 data type: Float32
 allowed values: -15..8700 = Pressure
 default value: 4
 access rights: rw
 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 "Hysteresis O1" index=75 id=V_Hysterese_A1

description: Indicates the the hysteresis of O1
 data type: Float32
 allowed values: 0..8700 = Pressure
 default value: 4
 access rights: rw
 modifies other variables
 excluded from data storage

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 "Window size O1" index=76 id=V_Fenstergroesse_A1

description: Indicates the the window size of O1
 data type: Float32
 allowed values: 0..8700 = Pressure
 default value: 2
 access rights: rw
 modifies other variables
 excluded from data storage

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 "Switching point O2" index=77 id=V_Schaltpunkt_A2

description: Indicates the the switching point
 data type: Float32
 allowed values: -15..8700 = Pressure
 default value: 7.5
 access rights: rw
 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 "Reset point O2" index=78 id=V_Rueckschaltpunkt_A2

description: Indicates the the reset point
data type: Float32
allowed values: -15..8700 = Pressure
default value: 1
access rights: rw
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 "Switching point 1 O2" index=79 id=V_Schaltpunkt1_A2

description: Indicates the the window switching point 1
data type: Float32
allowed values: -15..8700 = Pressure
default value: 3
access rights: rw
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 "Switching point 2 O2" index=80 id=V_Schaltpunkt2_A2

description: Indicates the the window switching point 2
data type: Float32
allowed values: -15..8700 = Pressure
default value: 6
access rights: rw
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 "Hysteresis O2" index=81 id=V_Hysterese_A2

description: Indicates the the hysteresis of O2
data type: Float32
allowed values: 0..8700 = Pressure
default value: 6.5
access rights: rw
modifies other variables
excluded from data storage

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 "Window size O2" index=82 id=V_Fenstergroesse_A2

description: Indicates the the window size of O2
data type: Float32
allowed values: 0..8700 = Pressure
default value: 3
access rights: rw
modifies other variables
excluded from data storage

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 "Temperature unit" index=83 id=V_Einheit_Temp

description: Selects temperature between °C or °F
 data type: 8-bit UInteger
 allowed values: 0 = °C, 1 = °F
 default value: 0
 access rights: rw
 modifies other variables

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

Variable "Switching point temperature" index=84 id=V_Schaltpunkt_Temp

description: Indicates temperature switching point
 data type: 16-bit Integer
 allowed values: -490..2300 = Temperature
 default value: 500
 access rights: rw
 modifies other variables

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

Variable "Reset point temperature" index=85 id=V_Rueckschaltpunkt_Temp

description: Indicates the the temperature reset point
 data type: 16-bit Integer
 allowed values: -490..2300 = Temperature
 default value: 400
 access rights: rw
 modifies other variables

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

Variable "Switching point 1 temperature" index=86 id=V_Schaltpunkt1_Temp

description: Indicates the the temperature window switching point 1
 data type: 16-bit Integer
 allowed values: -490..2300 = Temperature
 default value: 300
 access rights: rw
 modifies other variables

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

Variable "Switching point 2 temperature" index=87 id=V_Schaltpunkt2_Temp

description: Indicates the the temperature window switching point 2
 data type: 16-bit Integer
 allowed values: -490..2300 = Temperature
 default value: 600
 access rights: rw
 modifies other variables

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

Variable "Hysteresis temperature" index=88 id=V_Hysteresese_Temp

description: Indicates the the temperature hysteresis
 data type: 16-bit UInteger
 allowed values: 0..2781 = Temperature
 default value: 100
 access rights: rw

modifies other variables
excluded from data storage

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

Variable "Window size temperature" index=89 id=V_Fenstergroesse_Temp

description: Indicates the the temperature window size
data type: 16-bit UInteger
allowed values: 0..2772 = Temperature
default value: 300
access rights: rw
modifies other variables
excluded from data storage

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

Variable "Mode O2" index=90 id=V_ModusA2

description: Indicates the mode of O2
data type: 8-bit UInteger
allowed values: 1 = Binary switching, 2 = 0 - 10V, 3 = 0 - 5V, 4 = 0 - 20mA, 5 = 4 - 20mA
default value: 1
access rights: rw
modifies other variables

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

Variable "Process variable O2" index=91 id=V_Druck_Temp

description: Selection of pressure or temperature for O2
data type: 8-bit UInteger
allowed values: 0 = Pressure, 1 = Temperature
default value: 0
access rights: rw

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

Variable "Switch-on delay O1" index=92 id=V_Einschaltverzug_A1

description: Indicates the switch-on delay in ms
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "Switch-off delay O1" index=93 id=V_Ausschaltverzug_A1

description: Indicates the switch-off delay in ms
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "O1 normally open normally closed" index=94 id=V_A1_Schliesser_Oeffner

description: Changes the type of operation
data type: 8-bit UInteger
allowed values: 0 = Normally open, 1 = Normally closed
default value: 0
access rights: rw

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

Variable "Type of operation O1" index=95 id=V_BetriebsartA1

description: O1 operates in switching point or window mode
data type: 8-bit UInteger
allowed values: 0 = Window operation, 1 = Switching point operation
default value: 1
access rights: rw

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

Variable "Switch-on delay O2" index=96 id=V_Einschaltverzug_A2

description: Indicates the switch-on delay in ms
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "Switch-off delay O2" index=97 id=V_Ausschaltverzug_A2

description: Indicates the switch-off delay in ms
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "O2 normally open normally closed" index=98 id=V_A2_Schliesser_Oeffner

description: Changes the type of operation
data type: 8-bit UInteger
allowed values: 0 = Normally open, 1 = Normally closed
default value: 0
access rights: rw

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

Variable "Type of operation O2" index=99 id=V_BetriebsartA2

description: O2 operates in switching point or window mode
data type: 8-bit UInteger
allowed values: 0 = Window operation, 1 = Switching point operation
default value: 1
access rights: rw

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

Variable "Teach-in function" index=100 id=V_Teachen_an

description: Activates teach-in for pressure
data type: 8-bit UInteger
allowed values: 0 = Off, 1 = On
default value: 0
access rights: rw

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

Variable "Teaching hysteresis O1" index=101 id=V_Teachhys_A1

description: Indicates the hysteresis of O1
data type: 16-bit UInteger
allowed values: 10..900 = Percent
default value: 50
access rights: rw

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

Variable "Teaching hysteresis O2" index=102 id=V_Teachhys_A2

description: Indicates the hysteresis of O2
data type: 16-bit UInteger
allowed values: 10..900 = Percent
default value: 100
access rights: rw

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

Variable "Pressure start value analog (raw)" index=103 id=V_Druckstartwert_uint

description: Indicates the start value
data type: 16-bit UInteger
allowed values: 0..6000 = Range
default value: 0
access rights: rw
modifies other variables

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

Variable "Pressure end value analog (raw)" index=104 id=V_Druckendwert_uint

description: Indicates the end value
data type: 16-bit UInteger
allowed values: 0..6000 = Range
default value: 0
access rights: rw
modifies other variables

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

Variable "Temperature start value analogout" index=105 id=V_Tempstartwert_Analogausgang

description: Indicates the start value
data type: 16-bit Integer
allowed values: -490..2300 = Temperature
default value: -450
access rights: rw
modifies other variables

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

element bit	15 - 8	7 - 0	
-------------	--------	-------	--

Variable "Temperature end value analogout" index=106 id=V_Tempendwert_Analogausgang

description: Indicates the end value
data type: 16-bit Integer
allowed values: -490..2300 = Temperature
default value: 1100
access rights: rw
modifies other variables

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

Variable "Attenuation analog value" index=107 id=V_Dampfung_Analog

description: Indicates the attenuation in milliseconds
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "Attenuation internal value" index=108 id=V_Dampfung_Intern

description: Indicates the attenuation in milliseconds
data type: 16-bit UInteger
allowed values: 0..9999 = Time
default value: 0
access rights: rw

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

Variable "Head line inverted" index=109 id=V_Kennlinie_Inv

description: Inverted head line when activated
data type: 8-bit UInteger
allowed values: 0 = Not inverted, 1 = Inverted
default value: 0
access rights: rw

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

Variable "Rotate display" index=110 id=V_Rotiere_Display

description: Rotate the display to the right
data type: 8-bit UInteger
allowed values: 0 = Not rotated, 1 = rotated 90°, 2 = rotated 180°, 3 = rotated 270°
default value: 0
access rights: rw

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

Variable "Display shutoff" index=111 id=V_Display_an

description: When activated, display turns off after 5s
data type: 8-bit UInteger
allowed values: 0 = Inactive, 3 = Active
default value: 0
access rights: rw

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

Variable "Display temperature value" index=112 id=V_Tempdarst

description: Displays the temperature value when activated

data type: 8-bit UInteger

allowed values: 0 = Inactive, 1 = Active

default value: 0

access rights: rw

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

Variable "Alarm output" index=113 id=V_Alarmausgang

description: Sets O2 as an alarm output

data type: 8-bit UInteger

allowed values: 0 = Inactive, 1 = Active

default value: 0

access rights: rw

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

Variable "Error signal analog" index=114 id=V_Fehlersignal_Analog

description: Indicates current value for an error condition

data type: 8-bit UInteger

allowed values: 0 = Off, 1 = 22 mA, 2 = 3,6 mA

default value: 0

access rights: rw

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

Variable "Error condition analog output" index=115 id=V_Zeig_Analogfehler

description: Indicates short circuit or open line at O2

data type: 8-bit UInteger

allowed values: 0 = Notification inactive, 1 = Notification active

default value: 0

access rights: rw

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

Variable "Display layout" index=116 id=V_Displaylayout

description: Changes the display layout

data type: 8-bit Integer

allowed values: 0 = Standard, 1 = Pressure trend, 2 = Output 1, 3 = Output 1 + 2 (binary)

default value: 0

access rights: rw

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

Variable "Menu Languages" index=117 id=V_Sprachauswahl

description: Indicates which language is used in the menu

data type: 8-bit UInteger

allowed values: 1 = German, 2 = English

default value: 1

access rights: rw

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

Variable "Value cut off" index=118 id=V_Cutoff_Wert

description: Values below cut off are zero
data type: 8-bit UInteger
allowed values: 0..50 = Percent
default value: 5
access rights: rw

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

Variable "Maximum temperature" index=121 id=V_Maximaltemperatur

description: Indicates the maximum temperature
data type: 16-bit Integer
access rights: ro

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

Variable "Minimum temperature" index=122 id=V_Minimaltemperatur

description: Indicates the minimum temperature
data type: 16-bit Integer
access rights: ro

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

Variable "Switching cycles O1" index=123 id=V_Schaltzyklen

description: Indicates the switching cycles
data type: 32-bit UInteger
default value: 0
access rights: ro

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 "Overpressure seconds" index=125 id=V_Ueberdrucksekunden

description: How many seconds was a state of overpressure
data type: 8-bit UInteger
default value: 0
access rights: ro

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

Variable "Operating hours" index=126 id=V_Betriebsstunden

description: Indicates the operating hours of the device
data type: 32-bit UInteger
access rights: ro

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 "Touchkey sensitivity" index=127 id=V_Touchkeyempf

description: Sets up sensitivity of the touchkeys
data type: 8-bit UInteger
allowed values: 0 = Low, 1 = Medium, 2 = High
default value: 1
access rights: rw

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

Variable "Touchkey "up" threshold" index=128 id=V_Touchschwell1

description: Shows threshold and current value
data type: 16-bit UInteger
access rights: ro

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

Variable "Touchkey "down" threshold" index=129 id=V_Touchschwell2

description: Shows threshold and current value
data type: 16-bit UInteger
access rights: ro

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

Variable "Touchkey "ok" threshold" index=130 id=V_Touchschwell3

description: Shows threshold and current value
data type: 16-bit UInteger
access rights: ro

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

Variable "Menu locking code" index=131 id=V_Menusperre

description: Indicates a four digit number as locking code
data type: 16-bit UInteger
allowed values: 0..9999 = Code
default value: 0
access rights: rw

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

Variable "Minimum pressure" index=134 id=V_Druckminimal

description: Indicates minimum pressure unit specific
data type: Float32
default value: 0
access rights: ro

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 "Maximum pressure" index=135 id=V_Druckmaximal

description: Indicates maximum pressure unit specific
data type: Float32
default value: 1

access rights: ro

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 "Pressure maximum value" index=136 id=V_Maxdruckwert

description: Indicates the maximum pressure

data type: Float32

access rights: ro

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 "Pressure minimum value" index=137 id=V_Mindruckwert

description: Indicates the minimum pressure

data type: Float32

access rights: ro

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 "Pressure maximum value static" index=138 id=V_Maxdruckstatic

description: Indicates the maximum pressure, not resetable

data type: Float32

access rights: ro

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 "Pressure start value analogout" index=139 id=V_Druckstartwert_Analogausgang

description: Indicates the start value

data type: Float32

allowed values: -15..8700 = Pressure

access rights: rw

modifies other variables

excluded from data storage

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 "Pressure end value analogout" index=140 id=V_Druckendwert_Analogausgang

description: Indicates the end value

data type: Float32

allowed values: -15..8700 = Pressure

access rights: rw

modifies other variables

excluded from data storage

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	

[\[Top\]](#)

ErrorTypes

Code	Additional code	Name	Description
128	17 (0x11)	Index not available	Read or write access attempt to a non-existing index.

(0x80)			
128 (0x80)	18 (0x12)	Subindex not available	Read or write access attempt to a non-existing subindex of an existing index.
128 (0x80)	32 (0x20)	Service temporarily not available	Parameter not accessible due to the current state of the technology-specific application.
128 (0x80)	33 (0x21)	Service temporarily unavailable - local control	Parameter not accessible. The device is currently in an ongoing, locally controlled operation.
128 (0x80)	34 (0x22)	Service temporarily unavailable - device control	Parameter not accessible. The technology-specific application is currently in a remotely triggered operation.
128 (0x80)	35 (0x23)	Access denied	Write access to a read-only parameter or read access to write-only parameter.
128 (0x80)	48 (0x30)	Parameter value out of range	Written parameter value is outside of the permitted value range.
128 (0x80)	49 (0x31)	Parameter value above limit	Written parameter value is above its specified value range.
128 (0x80)	50 (0x32)	Parameter value below limit	Written parameter value is below its specified value range.
128 (0x80)	51 (0x33)	Parameter length overrun	Written parameter is longer than specified.
128 (0x80)	52 (0x34)	Parameter length underrun	Written parameter is shorter than specified.
128 (0x80)	53 (0x35)	Function unavailable	Written command is not supported by the technology-specific application.
128 (0x80)	54 (0x36)	Function temporarily unavailable	Written command is unavailable due to the current state of the technology-specific application.
128 (0x80)	64 (0x40)	Invalid parameter set	Written single parameter value collides with other existing parameter settings.
128 (0x80)	65 (0x41)	Inconsistent parameter set	Parameter set inconsistencies at the end of block parameter transfer. Device plausibility check failed.

[\[Top\]](#)

Events

Code	Type	Name	Description
25376 (0x6320)	Error	Parameter error	Check datasheet and values
36350 (0x8dfe)	Error	Test Event A	
36351 (0x8dff)	Error	Test Event B	

[\[Top\]](#)

Process Data Formatting

Formatting for Process Data id=PI_Data
Subindex 1:
Subindex 2: * 0.1
Subindex 3:
Subindex 4:

Formatting for Process Data id=PI2_Data
Subindex 1:
Subindex 2: * 0.1
Subindex 3:
Subindex 4: * 0.001 V

Formatting for Process Data id=PI5_Data
Subindex 2: * 0.1
Subindex 4: * 0.001 mA
Subindex 3:
Subindex 1:

Formatting for Process Data id=PI4_Data
Subindex 1:
Subindex 2: * 0.1
Subindex 3:
Subindex 4: * 0.001 mA

Formatting for Process Data id=PI3_Data
Subindex 2: * 0.1

Subindex 1:
 Subindex 4: * 0.001 V
 Subindex 3:

[\[Top\]](#)

Operator Menus

Identification Menu

V_VendorName
 V_VendorText
 V_ProductName
 V_ProductText
 V_ProductID
 V_SerialNumber
 V_HardwareRevision
 V_FirmwareRevision
 V_ApplicationSpecificTag, ro
 V_CP_FunctionTag, ro
 V_CP_LocationTag, ro

Parameters Menu

V_ModusA2
 V_Druckstartwert_uint
 V_Druckendwert_uint
 V_Touchschwell1
 V_Touchschwell2
 V_Touchschwell3

Diagnosis Menu

Device Status Information

V_DeviceStatus

Service Functions

V_SystemCommand, Button:=126

Description=The visual indicators of the device are switched to the localization display pattern, which makes it easier to spot a device in an application.

V_SystemCommand, Button:=127

Description=The localization indication pattern is stopped. The optical indicators of the device will show again the device specific states of operation.

Maintenance Menus

Identification Menu

V_VendorName
 V_VendorText
 V_ProductName
 V_ProductText
 V_ProductID
 V_Geraetenname, ro
 V_SerialNumber
 V_Druckanfang bar
 V_Druckende bar
 V_HardwareRevision
 V_FirmwareRevision
 V_ApplicationSpecificTag
 V_CP_FunctionTag
 V_CP_LocationTag

Parameters Menu

General Settings

V_SystemCommand, Button:=128

Description=A warm start is triggered and the device will be set to an initial state. The communication will be interrupted by the device and then reinitiated by the master.

V_SystemCommand, Button:=129

Description=The parameter of the technology-specific application are set to default values. Identification parameter remain unchanged. An upload to the data storage of the master will be executed, if activated in the port configuration of the master.

Menu Display Settings

V_Displaylayout	
V_Tempdarst	
V_Rotiere_Display	
V_Einheit_Druck	
V_Einheit_Temp	
V_Dampfung_Intern ms	
V_Sprachauswahl	
V_Display_an	

Menu Settings Output 1	
V_BetriebsartA1	
V_A1_Schliesser_Oeffner	
V_Einschaltverzug_A1 ms	
V_Ausschaltverzug_A1 ms	

Menu Output 1	
V_Druckminimal	
V_Druckmaximal	
Menu Output 1 Switching point operation	
V_Schaltpunkt_A1	
V_Rueckschaltpunkt_A1	
V_Hysterese_A1	
Menu Output 1 Window operation	
V_Schaltpunkt1_A1	
V_Schaltpunkt2_A1	
V_Fenstergroesse_A1	

Menu Settings Output 2	
V_Alarmausgang	
V_ModusA2	
V_Druck_Temp	
V_BetriebsartA2	
V_A2_Schliesser_Oeffner	
V_Einschaltverzug_A2 ms	
V_Ausschaltverzug_A2 ms	

Menu Output 2 Pressure	
V_Druckminimal	
V_Druckmaximal	
Menu Output 2 Pressure-Switching point operation	
V_Schaltpunkt_A2	
V_Rueckschaltpunkt_A2	
V_Hysterese_A2	
Menu Output 2 Pressure-Window operation	
V_Schaltpunkt1_A2	
V_Schaltpunkt2_A2	
V_Fenstergroesse_A2	

Menu Output 2 Temperature	
Menu Output 2 Temperature-Switching point operation	
V_Schaltpunkt_Temp * 0.1	
V_Rueckschaltpunkt_Temp * 0.1	
V_Hysterese_Temp * 0.1	
Menu Output 2 Temperature-Window operation	
V_Schaltpunkt1_Temp * 0.1	
V_Schaltpunkt2_Temp * 0.1	
V_Fenstergroesse_Temp * 0.1	

Menu Analog Output	
V_ModusA2	
V_Druck_Temp	
V_Druckstartwert_Analogausgang	
V_Druckendwert_Analogausgang	
V_Tempstartwert_Analogausgang * 0.1	
V_Tempendwert_Analogausgang * 0.1	
V_Kennlinie_Inv	
V_Dampfung_Analog ms	
V_Fehlersignal_Analog	
V_Zeig_Analogfehler	

--	--

Menu Touchkeys
V_Touchkeyempf
V_Menusperre
Menu Other
V_Cutoff_Wert * 0.1 %
Menu Teach Functions
V_Teachen_an
V_Teachhys_A1 * 0.1 %
V_Teachhys_A2 * 0.1 %
V_SystemCommand, Button:=163

Diagnosis Menu
Reports
V_Maxdruckwert
V_Mindruckwert
V_Maxdruckstatic
V_Ueberdrucksekunden s
V_SystemCommand, Button:=161
V_Maximaltemperatur * 0.1
V_Minimaltemperatur * 0.1
V_SystemCommand, Button:=160
V_Schaltzyklen
V_SystemCommand, Button:=162
V_Betriebsstunden h
Device Status Information
V_DeviceStatus
Service Functions
V_SystemCommand, Button:=126
Description=The visual indicators of the device are switched to the localization display pattern, which makes it easier to spot a device in an application.
V_SystemCommand, Button:=127
Description=The localization indication pattern is stopped. The optical indicators of the device will show again the device specific states of operation.
V_SystemCommand, Button:=131
Description=The parameter of the device are set to factory default values and communication will be inhibited until the next power cycle.
Note: Directly detach the device from the master port!

Commissioning Menus

Identification Menu
V_VendorName
V_VendorText
V_ProductName
V_ProductText
V_ProductID
V_Geraetenname, ro
V_SerialNumber
V_Druckanfang bar
V_Druckende bar
V_HardwareRevision
V_FirmwareRevision
V_ApplicationSpecificTag
V_CP_FunctionTag
V_CP_LocationTag

Parameters Menu
General Settings
V_SystemCommand, Button:=128
Description=A warm start is triggered and the device will be set to an initial state. The communication will be interrupted by the device and then reinitiated by the master.
V_SystemCommand, Button:=129
Description=The parameter of the technology-specific application are set to default values. Identification parameter remain unchanged. An upload to the data storage of the master will be executed, if activated in the port configuration of the master.
Menu Display Settings
V_Displaylayout
V_Tempdarst

V_Rotiere_Display
V_Einheit_Druck
V_Einheit_Temp
V_Dampfung_Intern ms
V_Sprachauswahl
V_Display_an

Menu Settings Output 1
V_BetriebsartA1
V_A1_Schliesser_Oeffner
V_Einschaltverzug_A1 ms
V_Ausschaltverzug_A1 ms

Menu Output 1
V_Druckminimal
V_Druckmaximal
Menu Output 1 Switching point operation
V_Schaltpunkt_A1
V_Rueckschaltpunkt_A1
V_Hysterese_A1
Menu Output 1 Window operation
V_Schaltpunkt1_A1
V_Schaltpunkt2_A1
V_Fenstergroesse_A1

Menu Settings Output 2
V_Alarmausgang
V_ModusA2
V_Druck_Temp
V_BetriebsartA2
V_A2_Schliesser_Oeffner
V_Einschaltverzug_A2 ms
V_Ausschaltverzug_A2 ms

Menu Output 2 Pressure
V_Druckminimal
V_Druckmaximal
Menu Output 2 Pressure-Switching point operation
V_Schaltpunkt_A2
V_Rueckschaltpunkt_A2
V_Hysterese_A2
Menu Output 2 Pressure-Window operation
V_Schaltpunkt1_A2
V_Schaltpunkt2_A2
V_Fenstergroesse_A2

Menu Output 2 Temperature
Menu Output 2 Temperature-Switching point operation
V_Schaltpunkt_Temp * 0.1
V_Rueckschaltpunkt_Temp * 0.1
V_Hysterese_Temp * 0.1
Menu Output 2 Temperature-Window operation
V_Schaltpunkt1_Temp * 0.1
V_Schaltpunkt2_Temp * 0.1
V_Fenstergroesse_Temp * 0.1

Menu Analog Output
V_ModusA2
V_Druck_Temp
V_Druckstartwert_Analogausgang
V_Druckendwert_Analogausgang
V_Tempstartwert_Analogausgang * 0.1
V_Tempendwert_Analogausgang * 0.1
V_Kennlinie_Inv
V_Dampfung_Analog ms
V_Fehlersignal_Analog
V_Zeig_Analogfehler

Menu Touchkeys
V_Touchkeyempf

V_Menusperr
Menu Other
V_Cutoff_Wert * 0.1 %
Menu Teach Functions
V_Teachen_an
V_Teachhys_A1 * 0.1 %
V_Teachhys_A2 * 0.1 %
V_SystemCommand, Button:=163

Diagnosis Menu
Reports
V_Maxdruckwert
V_Mindruckwert
V_Maxdruckstatic
V_Ueberdrucksekunden s
V_SystemCommand, Button:=161
V_Maximaltemperatur * 0.1
V_Minimaltemperatur * 0.1
V_SystemCommand, Button:=160
V_Schaltzyklen
V_SystemCommand, Button:=162
V_Betriebsstunden h
Device Status Information
V_DeviceStatus
Service Functions
V_SystemCommand, Button:=126
Description=The visual indicators of the device are switched to the localization display pattern, which makes it easier to spot a device in an application.
V_SystemCommand, Button:=127
Description=The localization indication pattern is stopped. The optical indicators of the device will show again the device specific states of operation.
V_SystemCommand, Button:=131
Description=The parameter of the device are set to factory default values and communication will be inhibited until the next power cycle.
Note: Directly detach the device from the master port!

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 V1.3.