




Version: V1.0 Release Date: 2019-02-21

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SFP	
Vendor ID	1180 (0x049c)
Vendor Name	Seli GmbH
Vendor Text	Innovative Automation
Vendor URL	<a href="http://www.seli.de">www.seli.de</a>
Device ID	277 (0x000115)
DeviceFamily	filling-levels
	
<b>Features</b>	
Block Parameter	no
Data Storage	yes
Supported Access Locks	Parameter: no, Data Storage: yes, Local Parameterization: no, Local User Interface: no
<b>Communication</b>	
IO-Link Revision	V1.1
Transmission Rate	38400 bit/s (COM2)
Minimum Cycle Time	16 ms
SIO Mode Supported	yes
M-Sequence Capability	PREOPERATE = TYPE_1_V with 32 octets on-request data OPERATE = TYPE_2_V with 32 octets on-request data ISDU supported
Device Variant	SFP
Description	analogue TDR-fill-level measuring unit for liquids
Product ID	FP-00277
Device Icon	
Device Symbol	
Connection Type	Non-standard connector
Connection Description	siehe Betriebsanleitung

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ProcessData id=PD\_ProcessData

ProcessDataIn "Füllstand, Zustand, Schaltzustände" id=PD\_ProcessDataIn

bit length: 32

data type: 32-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	0	Boolean	false = Low, true = High					Q1	
2	1	Boolean	false = Low, true = High					Q2	
3	2	Boolean	false = Low, true = High					Q3	
4	3	Boolean	false = Low, true = High					Q4	
5	4	2-bit UInteger	0 = FEHLER, 1 = WARNUNG, 2 = OK					Systemzustand	
6	6	12-bit Integer						reserviert	
7	18	14-bit UInteger	0..6005					Level	

#### Octet 0

bit offset	31	30	29	28	27	26	25	24	
subindex	7								
element bit	13	12	11	10	9	8	7	6	

#### Octet 1

bit offset	23	22	21	20	19	18	17	16
subindex	7						6	
element bit	5	4	3	2	1	0	11	10

#### Octet 2

bit offset	15	14	13	12	11	10	9	8
subindex	6							
element bit	9	8	7	6	5	4	3	2
<b>Octet 3</b>								
bit offset	7	6	5	4	3	2	1	0
subindex	6		5		4	3	2	1
element bit	1	0	1	0				

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## Standard Variable "Direkte Parameter - Seite 1" index=0 id=V\_DirectParameters\_1

description: Beinhaltet die notwendigen Parameter für Kommunikationseigenschaften und die Kennungen zur Gerätevalidierung.

data type: 128-bit Record

access rights: rw

excluded from data storage

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	120	8-bit Unsigned			ro			Reserviert	
2	112	8-bit Unsigned			ro			Master Zykluszeit	Kommunikation: Aktuelle vom Master vorgegebene Zyklusdauer für die Kommunikation. Dieser Wert bestimmt den Prozessdatenzyklus.
3	104	8-bit Unsigned			ro			Minimale Zykluszeit	Kommunikation: Minimale Zyklusdauer der Kommunikation, die das Gerät unterstützt. Dieser Wert bestimmt den kleinsten möglichen Prozessdatenzyklus.
4	96	8-bit Unsigned			ro			Nachrichtenfähigkeit	Kommunikation: Information zur Struktur und den unterstützten Eigenschaften der Kommunikationsnachrichten.
5	88	8-bit Unsigned		17	ro			IO-Link Revisions-ID	Kommunikation: Kennung für die aktuelle Revision des Kommunikationsprotokolls.
6	80	8-bit Unsigned			ro			Prozessdatenlänge Eingang	Kommunikation: Information zu Breite und Eigenschaften der Prozesseingangsdaten (Prozessdaten vom Gerät zum Master).
7	72	8-bit Unsigned			ro			Prozessdatenlänge Ausgang	Kommunikation: Information zu Breite der Prozessausgangsdaten (Prozessdaten vom Master zum Gerät).
8	64	8-bit Unsigned			ro			Hersteller-ID 1	Identifikation: Höchstes Oktett der Herstellerkennung. Zusammen mit dem Parameter Hersteller-ID 2 ergibt dies den 16-Bit-Wert der von der IO-Link-Gemeinschaft vergebenen eindeutigen Herstellerkennung.
9	56	8-bit Unsigned			ro			Hersteller-ID 2	Identifikation: Niedrigstes Oktett der Herstellerkennung. Zusammen mit dem Parameter Hersteller-ID 1 ergibt dies den 16-Bit-Wert der von der IO-Link-Gemeinschaft vergebenen eindeutigen Herstellerkennung.
10	48	8-bit Unsigned			ro			Geräte-ID 1	Identifikation: Höchstes Oktett der Geräteerkennung. Zusammen mit den Parametern Geräte-ID 2 und 3 ergibt dies den 24-Bit-Wert der herstellerepezifischen Geräteerkennung.
11	40	8-bit Unsigned			ro			Geräte-ID 2	Identifikation: Mittleres Oktett der Geräteerkennung. Zusammen mit den Parametern Geräte-ID 1 und 3 ergibt dies den 24-Bit-Wert der herstellerepezifischen Geräteerkennung.
12	32	8-bit Unsigned			ro			Geräte-ID 3	Identifikation: Niedrigstes Oktett der Geräteerkennung. Zusammen mit den Parametern Geräte-ID 1 und 2 ergibt dies den 24-Bit-Wert der herstellerepezifischen Geräteerkennung.
13	24	8-bit Unsigned			ro			Reserviert	
14	16	8-bit Unsigned			ro			Reserviert	
15	8	8-bit Unsigned			ro			Reserviert	
16	0	8-bit Unsigned			wo	X		Systembefehl	Anwendung: Befehlsschnittstelle für Geräte ohne ISDU-Unterstützung. Gültigkeit und Ausführung von Befehlen werden nicht bestätigt.

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
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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 "Direkte Parameter - Seite 2" index=1 id=V\_DirectParameters\_2

description: Parametersatz für Geräte ohne ISDU Unterstützung.

data type: 128-bit Record

access rights: rw

excluded from data storage

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

description: Befehlsschnittstelle für Anwendungen. Eine positive Rückmeldung zeigt die vollständige und korrekte Ausführung der angeforderten Funktion an.

data type: 8-bit UInteger

allowed values: 130 = Werkseinstellung setzen, 165 = Pulse\_AutCal, 166 = Pulse\_AutoTune, 167 = Pulse\_Reset, 170 = Foam\_CalEmp, 171 = Foam\_CalMed, 172 = Foam\_Reset, 180 = Reserviert0, 190 = Reset\_LevelMinMax, 200 = Reserviert1, 201 = Reserviert2, 202 = Reserviert3, 203 = Reserviert4

access rights: wo

modifies other variables

octet	0
bit offset	7 - 0

element bit	7 - 0
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### Standard Variable "Gerätezugriffssperren" index=12 id=V\_DeviceAccessLocks

description: Der Zugriff auf die Geräteparameter kann über entsprechende Flags im Parameter eingeschränkt werden.

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

access rights: rw

excluded from data storage

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	Boolean	false = Entsperrt, true = Gesperrt					Parameterschreibzugriff	Diese Sperre verhindert den Schreibzugriff auf alle Schreib-/Leseparameter des Geräts mit Ausnahme des Parameters 'Gerätezugriffssperren'.
2	1	Boolean	false = Entsperrt, true = Gesperrt					Datenhaltung	Diese Sperre verhindert den Schreibzugriff auf die Geräteparameter über die Datenhaltungsmechanismen.
3	2	Boolean	false = Entsperrt, true = Gesperrt					Lokale Parametrierung	Diese Sperre verhindert, dass die Geräteeinstellungen über die lokalen Bedienelemente am Gerät geändert werden.
4	3	Boolean	false = Entsperrt, true = Gesperrt					Lokale Benutzerschnittstelle	Die Sperre verhindert den Zugriff auf Geräteeinstellungen und -anzeigen über eine lokale Benutzerschnittstelle am Gerät. Die Benutzerschnittstelle ist deaktiviert.

#### 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 "Herstellername" index=16 id=V\_VendorName

description: Herstellername, der einer Herstellerkennung zugeordnet ist.

data type: 64-octet String UTF-8

default value: "Seli 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 "Produktname" index=18 id=V\_ProductName

description: Vollständiger Produktname.

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 "Produkt-ID" index=19 id=V\_ProductID

description: Herstellerspezifische Produkt- oder Typidentifikation (z. B. Artikelnummer oder Bestellnummer).

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 "Seriennummer" index=21 id=V\_SerialNumber

description: Eindeutige, herstellerepezifische Kennung des einzelnen Gerats.

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 "Hardwarerevision" index=22 id=V\_HardwareRevision

description: Eindeutige, herstellerspezifische Kennung der Hardwarerevision des einzelnen Geräts.

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 "Firmwarerevision" index=23 id=V\_FirmwareRevision

description: Eindeutige, herstellerspezifische Kennung der Firmwarerevision des einzelnen Geräts.

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 "Anwendungsspezifisches Kennzeichen" index=24 id=V\_ApplicationSpecificTag

description: Möglichkeit ein Gerät mit benutzer- oder anwendungsspezifischen Informationen zu kennzeichnen.

data type: 16-octet String UTF-8

default value: "\*\*\*\*"

access rights: rw

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 "PD-Eingang" index=40 id=V\_ProcessDataInput

description: Letzte gültige Prozesseingangsdaten des Geräts.

data type: see ProcessDataIn!

access rights: ro

dynamic

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### Variable "Gerätespezifische Kennung" index=64 id=V\_DeviceSpecificTag

data type: 16-octet String UTF-8

default value: "\*\*\*\*"

access rights: rw

excluded from data storage

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 "Teilenummer" index=90 id=V\_PartNumber

description: Teilenummer

data type: 8-octet String UTF-8

access rights: ro

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

### Variable "SP1/FH1" index=100 id=V\_SP1

description: Q1 SP1: Schaltpunkt / FH1: oberer Fensterrand

data type: 16-bit UInteger

allowed values: 0..6005

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 "RP1/FL1" index=101 id=V\_RP1

description: Q1 RP1: Rückschaltpunkt / FL1: unterer Fensterrand

data type: 16-bit UInteger

allowed values: 0..6005

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 "OU1" index=102 id=V\_OUT1

description: Q1 Funktion  
 data type: 8-bit UInteger  
 allowed values: 0 = Q1\_Hno, 1 = Q1\_Hnc, 2 = Q1\_Fno, 3 = Q1\_Fnc, 4 = Q1\_Eno, 5 = Q1\_Enc  
 access rights: rw  
 excluded from data storage

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

### Variable "SimQ1" index=103 id=V\_SimQ1

description: Simuliere Q1  
 data type: 8-bit UInteger  
 allowed values: 0 = Q1Norm, 1 = Q1On, 2 = Q1Off  
 access rights: rw  
 excluded from data storage

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

### Variable "SP2/FH2" index=104 id=V\_SP2FH2

description: Q2 SP2: Schaltpunkt / FH2: oberer Fensterrand  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 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 "RP2/FL2" index=105 id=V\_RP2FL2

description: Q2 RP2: Rückschaltpunkt / FL2: unterer Fensterrand  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 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 "OU2" index=106 id=V\_OU2

description: Q2 Funktion  
 data type: 8-bit UInteger  
 allowed values: 0 = Q2\_Hno, 1 = Q2\_Hnc, 2 = Q2\_Fno, 3 = Q2\_Fnc, 4 = Q2\_Eno, 5 = Q2\_Enc  
 access rights: rw  
 excluded from data storage

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

### Variable "TYP2" index=107 id=V\_TYP2

description: Q2 Ausgangsstufe  
 data type: 8-bit UInteger  
 allowed values: 0 = Q2\_PNP, 1 = Q2\_NPN, 2 = Q2\_DRV  
 access rights: rw  
 excluded from data storage

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



**Variable "SimQ2" index=108 id=V\_SimQ2**

description: Simuliere Q2  
 data type: 8-bit UInteger  
 allowed values: 0 = Q2Norm, 1 = Q2On, 2 = Q2Off  
 access rights: rw  
 excluded from data storage

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

**Variable "SP3/FH3" index=109 id=V\_SP3FH3**

description: Q3 SP3: Schaltpunkt / FH3: oberer Fensterrand  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 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 "RP3/FL3" index=110 id=V\_RP3FL3**

description: Q3 RP3: Rückschaltpunkt / FL3: unterer Fensterrand  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 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 "OU3" index=111 id=V\_OU3**

description: Q3 Funktion  
 data type: 8-bit UInteger  
 allowed values: 0 = Q3\_Hno, 1 = Q3\_Hnc, 2 = Q3\_Fno, 3 = Q3\_Fnc, 4 = Q3\_Eno, 5 = Q3\_Enc  
 access rights: rw  
 excluded from data storage

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

**Variable "TYP3" index=112 id=V\_TYP3**

description: Q3 Ausgangsstufe  
 data type: 8-bit UInteger  
 allowed values: 0 = Q3\_PNP, 1 = Q3\_NPN, 2 = Q3\_DRV  
 access rights: rw  
 excluded from data storage

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

**Variable "SimQ3" index=113 id=V\_SimQ3**

description: Simuliere Q3  
 data type: 8-bit UInteger  
 allowed values: 0 = Q3Norm, 1 = Q3On, 2 = Q3Off  
 access rights: rw  
 excluded from data storage

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

#### Variable "SP4/FH4" index=114 id=V\_SP4FH4

description: Q4 SP4: Schaltpunkt / FH4: oberer Fensterrand  
data type: 16-bit UInteger  
allowed values: 0..6005  
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 "RP4/FL4" index=115 id=V\_RP4FL4

description: Q4 RP4: Rückschaltpunkt / FL4: unterer Fensterrand  
data type: 16-bit UInteger  
allowed values: 0..6005  
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 "OU4" index=116 id=V\_OU4

description: Q4 Funktion  
data type: 8-bit UInteger  
allowed values: 0 = Q4\_Hno, 1 = Q4\_Hnc, 2 = Q4\_Fno, 3 = Q4\_Fnc, 4 = Q4\_Eno, 5 = Q4\_Enc  
access rights: rw  
excluded from data storage

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

#### Variable "TYP4" index=117 id=V\_TYP4

description: Q4 Ausgangsstufe  
data type: 8-bit UInteger  
allowed values: 0 = Q4\_PNP, 1 = Q4\_NPN, 2 = Q4\_DRV  
access rights: rw  
excluded from data storage

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

#### Variable "SimQ4" index=118 id=V\_SimQ4

description: Simuliere Q4  
data type: 8-bit UInteger  
allowed values: 0 = Q4Norm, 1 = Q4On, 2 = Q4Off  
access rights: rw  
excluded from data storage

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

#### Variable "QAHIGH" index=119 id=V\_QAHIGH

description: QA Oberer Signalpunkt  
data type: 16-bit UInteger  
allowed values: 0..6005  
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 "QALOW" index=120 id=V\_QALOW

description: QA Unterer Signalpunkt  
data type: 16-bit UInteger  
allowed values: 0..6005  
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 "QAPOL" index=121 id=V\_QAPOL

description: QA Polarität  
data type: 8-bit UInteger  
allowed values: 0 = QA\_Nrm, 1 = QA\_Inv  
access rights: rw  
excluded from data storage

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

### Variable "QATYPE" index=122 id=V\_QATYPE

description: QA Umschaltung Strom/Spannungsausgang  
data type: 8-bit UInteger  
allowed values: 0 = 4-20mA, 1 = 0-10V, 2 = Auto, 3 = Auto 4-20mA, 4 = Auto 0-10V  
access rights: rw  
modifies other variables  
excluded from data storage

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

### Variable "QAFail" index=123 id=V\_QAFail

description: QA Fehlerzustand  
data type: 8-bit UInteger  
allowed values: 0 = 3.5mA, 1 = 21.5mA  
access rights: rw  
excluded from data storage

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

### Variable "SimCur" index=124 id=V\_SimCur

description: Simuliere QA Stromausgang  
data type: 8-bit UInteger  
allowed values: 0 = SimOff, 1 = 3.5mA, 2 = 3.8mA, 3 = 4.0mA, 4 = 10.0mA, 5 = 12.0mA, 6 = 18.0mA, 7 = 20.0mA, 8 = 20.5mA, 9 = 21.5mA  
access rights: rw  
excluded from data storage

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

### Variable "SimVol" index=125 id=V\_SimVol

description: Simuliere QA Spannungsausgang  
 data type: 8-bit UInteger  
 allowed values: 0 = SimOff, 1 = 0.0V, 2 = 2.0V, 3 = 4.0V, 4 = 6.0V, 5 = 8.0V, 6 = 10.0V, 7 = 10.5V  
 access rights: rw  
 excluded from data storage

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

### Variable "DspVal" index=126 id=V\_DspVal

description: Display Anzeige  
 data type: 8-bit UInteger  
 allowed values: 0 = Distan, 1 = QaPerc, 2 = QaBarG, 3 = QaSign, 4 = QxSign  
 access rights: rw  
 excluded from data storage

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

### Variable "Filter" index=127 id=V\_Filter

description: Mittelwertfilter  
 data type: 8-bit UInteger  
 allowed values: 0 = Off, 4 = 400ms, 6 = 600ms, 10 = 1000ms, 14 = 1400ms, 20 = 2s, 50 = 5s, 100 = 10s  
 access rights: rw  
 excluded from data storage

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

### Variable "SimLev" index=128 id=V\_SimLev

description: Simuliere Füllstand  
 data type: 8-bit UInteger  
 allowed values: 0 = SimOff, 1 = 0 %, 2 = 25 %, 3 = 50 %, 4 = 75 %, 5 = 100 %  
 access rights: rw  
 excluded from data storage

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

### Variable "Profil Version" index=205 id=V\_ProfileVersion

data type: 4-octet String UTF-8  
 access rights: ro

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

### Variable "Lock" index=300 id=V\_Lock

description: Menü Passwortschutz  
 data type: Boolean  
 allowed values: false = inaktiv, true = aktiv  
 access rights: rw  
 excluded from data storage

#### Octet 0

bit offset	7	6	5	4	3	2	1	0
element bit	sign ext.							

### Variable "Unit" index=301 id=V\_Unit

description: Display Einheit Füllstand  
 data type: 8-bit UInteger  
 allowed values: 0 = mm, 1 = inch  
 access rights: rw

excluded from data storage

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

### Variable "Offset" index=302 id=V\_Offset

description: Level Offset  
 data type: 16-bit UInteger  
 allowed values: 0..3000  
 default value: 0  
 access rights: rw  
 excluded from data storage

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

### Variable "Mode" index=303 id=V\_Mode

description: Algorithmus Modus  
 data type: 8-bit UInteger  
 allowed values: 0 = Pulse, 1 = Foam  
 access rights: rw  
 excluded from data storage

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

### Variable "MeasMd" index=304 id=V\_MeasMd

description: Messmodus  
 data type: 8-bit UInteger  
 allowed values: 0 = mode-1, 1 = HiSpd, 2 = HiAcc, 3 = mode-2  
 access rights: rw  
 excluded from data storage

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

### Variable "MaxCoL" index=305 id=V\_MaxCoL

description: Maximale Änderungsrate des Füllstands  
 data type: 8-bit UInteger  
 allowed values: 2 = 2cm/s, 5 = 5cm/s, 10 = 10cm/s, 50 = AnySpeed  
 access rights: rw  
 excluded from data storage

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

### Variable "TrsHld" index=310 id=V\_Trshld

description: Schwelle für Pulserkennung  
 data type: 16-bit UInteger  
 allowed values: 20..500  
 default value: 100  
 access rights: rw  
 excluded from data storage

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

### Variable "CalRng" index=311 id=V\_CalRng

description: AutCal Einlertiefe  
 data type: 16-bit UInteger  
 allowed values: 95..6005  
 default value: 6005  
 access rights: rw  
 excluded from data storage

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

### Variable "MaskZn" index=312 id=V\_MaskZn

description: Größe der Maskierten Zone  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 default value: 0  
 access rights: rw  
 excluded from data storage

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

### Variable "MaskTr" index=313 id=V\_MaskTr

description: Schwelle der Maskierten Zone  
 data type: 16-bit UInteger  
 allowed values: 10..500  
 default value: 50  
 access rights: rw  
 excluded from data storage

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

### Variable "Limit" index=320 id=V\_Limit

description: Schaumalgorithmus Erkennungslimit  
 data type: 8-bit UInteger  
 allowed values: 20..100  
 default value: 90  
 access rights: rw  
 excluded from data storage

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

### Variable "Length" index=330 id=V\_Length

description: Sondenlänge  
 data type: 16-bit UInteger  
 allowed values: 95..6005  
 access rights: rw  
 excluded from data storage

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

### Variable "CbILen" index=331 id=V\_CbILen

description: Koaxialkabellänge  
 data type: 16-bit UInteger  
 allowed values: 200..3500  
 access rights: rw  
 excluded from data storage

octet	0	1	
bit offset	15 - 8	7 - 0	

element bit	15 - 8	7 - 0	
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### Variable "Type" index=332 id=V\_Type

description: Sondentyp  
data type: 8-bit UInteger  
allowed values: 0 = Stabsonde, 1 = Seilsonde  
access rights: rw  
excluded from data storage

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

### Variable "CalSta" index=342 id=V\_CalSta

description: Kalibrationstatus  
data type: 8-bit UInteger  
allowed values: 0 = NoCal, 1 = AutCal, 2 = FomCal, 3 = CalMis  
access rights: ro

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

### Variable "SigQa1" index=350 id=V\_SigQa1

description: Signalqualität 1  
data type: 8-bit UInteger  
access rights: ro

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

### Variable "SigQa2" index=351 id=V\_SigQa2

description: Signalqualität 2  
data type: 8-bit UInteger  
access rights: ro

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

### Variable "SigQa3" index=352 id=V\_SigQa3

description: Signalqualität 3  
data type: 8-bit UInteger  
access rights: ro

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

### Variable "Versorgungsspannung" index=360 id=V\_SupplyVoltage

description: Versorgungsspannung des Sensors  
data type: 16-bit UInteger  
access rights: ro

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

### Variable "Elektroniktemperatur" index=361 id=V\_SensorTemperature

description: Elektroniktemperatur  
data type: 16-bit Integer

access rights: ro

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

### Variable "Einschaltzähler" index=362 id=V\_PowerUpCounter

description: Einschaltzähler

data type: 32-bit Ulnteger

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 "Betriebszeit" index=363 id=V\_OperatingTime

description: Betriebszeit

data type: 32-bit Ulnteger

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 "Systemmonitor" index=364 id=V\_SystemMonitor

description: Systemmonitor

data type: 32-bit Record (subindex access not supported)

access rights: ro

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
1	0	2-bit Ulnteger	0 = FEHLER, 1 = WARNUNG, 2 = OK					Systemzustand	
2	2	Boolean	false = -, true = aktiv					SC-Q2	
3	3	Boolean	false = -, true = aktiv					SC-Q3	
4	4	Boolean	false = -, true = aktiv					SC-Q4	
5	5	Boolean	false = -, true = aktiv					SC-Qa	
6	6	Boolean	false = -, true = aktiv					QaOvf	
7	7	Boolean	false = -, true = aktiv					reserviert	
8	8	Boolean	false = -, true = aktiv					reserviert	
9	9	Boolean	false = -, true = aktiv					InvEc	
10	10	Boolean	false = -, true = aktiv					Cable	
11	11	Boolean	false = -, true = aktiv					Range	
12	12	Boolean	false = -, true = aktiv					MaskZ	
13	13	Boolean	false = -, true = aktiv					Temp	
14	14	Boolean	false = -, true = aktiv					reserviert	
15	15	Boolean	false = -, true = aktiv					reserviert	
16	16	Boolean	false = -, true = aktiv					reserviert	
17	17	Boolean	false = -, true = aktiv					reserviert	
18	18	Boolean	false = -, true = aktiv					reserviert	
19	19	Boolean	false = -, true = aktiv					reserviert	
20	20	Boolean	false = -, true = aktiv					reserviert	

#### Octet 0

bit offset	31	30	29	28	27	26	25	24
subindex	/////	/////	/////	/////	/////	/////	/////	/////

#### Octet 1

bit offset	23	22	21	20	19	18	17	16
subindex	/////	/////	/////	20	19	18	17	16

#### Octet 2

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

#### Octet 3

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



**Variable "Minimaler Füllstand" index=365 id=V\_MinimumLevel**

description: Minimaler Füllstand seit letztem Einschalten / letztem Reset  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 access rights: ro

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

**Variable "Maximaler Füllstand" index=366 id=V\_MaximumLevel**

description: Maximaler Füllstand seit letztem Einschalten / letztem Reset  
 data type: 16-bit UInteger  
 allowed values: 0..6005  
 access rights: ro

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

**Variable "Eingabedaten" index=380 id=V\_InputData**

description: Eingabedaten  
 data type: Array[32] of 8-bit UInteger (subindex access not supported)  
 access rights: rw  
 excluded from data storage

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
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	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128
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

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
subindex	17	18	19	20	21	22	23	24
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

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
subindex	25	26	27	28	29	30	31	32
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

**Variable "Ergebnis" index=381 id=V\_OutputData**

description: Ergebnis  
 data type: Array[32] of 8-bit UInteger (subindex access not supported)  
 access rights: ro

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
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	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128
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

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
subindex	17	18	19	20	21	22	23	24

element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0
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
subindex	25	26	27	28	29	30	31	32
element bit	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0	7 - 0

### Variable "Eindeutige ID" index=382 id=V\_UniqueID

description: Eindeutige Gerätekenung  
data type: Array[8] of 8-bit UInteger (subindex access not supported)  
access rights: ro

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	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

### Variable "reserviert" index=383 id=V\_Reserved

description: reserviert  
data type: Array[8] of 8-bit UInteger  
access rights: rw  
excluded from data storage

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	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

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### Events

Code	Type	Name	Description
6144 (0x1800)	Notification	Dummy Event	Dummy Event

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V_Length
V_CblLen
V_Type
<b>Info</b>
V_FirmwareRevision
V_SerialNumber
V_CalSta
V_ApplicationSpecificTag
V_DeviceSpecificTag
<b>SigQua</b>
V_SigQa1
V_SigQa2
V_SigQa3
<b>SONSTIGES</b>
<b>Monitor</b>
V_SupplyVoltage * 0.001 + 0 V
V_SensorTemperature * 0.1 + 0 °C
V_PowerUpCounter
V_OperatingTime s
V_SystemMonitor
V_MinimumLevel
V_MaximumLevel
V_SystemCommand, wo Button:=190 Description=Reset_LevelMinMax
<b>Security</b>
V_InputData
V_OutputData, ro

V_UniqueID, ro
V_Reserved

## Commissioning Menus

### Identification Menu

V_ProductName
V_VendorName
V_ProductID
V_SerialNumber
V_HardwareRevision
V_FirmwareRevision
V_ApplicationSpecificTag
V_PartNumber, ro

### Parameters Menu

#### Parameter Menu

##### PARAMETER

V_SystemCommand, wo Button:=165 Description=AutCal
V_DspVal
V_Filter
V_SimLev
V_SystemCommand, wo Button:=130 Description=RstFac

##### AUSGÄNGE

##### Q1MENU

V_SP1
V_RP1
V_OUT1
V_SimQ1

##### Q2MENU

V_SP2FH2
V_RP2FL2
V_OU2
V_TYP2
V_SimQ2

##### Q3MENU

V_SP3FH3
V_RP3FL3
V_OU3
V_TYP3
V_SimQ3

##### Q4MENU

V_SP4FH4
V_RP4FL4
V_OU4
V_TYP4
V_SimQ4

##### QAMENU

V_QAHIGH
V_QALOW
V_QAPOL
V_QATYPE
V_QAFail
V_SimCur
V_SimVol

##### EXPERT

Config
V_Lock
V_Unit
V_Offset
V_Mode
V_MeasMd

<b>V_MaxCoL</b>
<b>Pulse</b>
V_SystemCommand, wo Button:=165 Description=AutCal
V_TrshHld
V_SystemCommand, wo Button:=166 Description=AutoTn
V_CalRng
V_MaskZn
V_MaskTr
V_SystemCommand, wo Button:=167 Description=Reset
<b>Foam</b>
V_SystemCommand, wo Button:=170 Description=CalEmp
V_SystemCommand, wo Button:=171 Description=CalMed
V_Limit
V_SystemCommand, wo Button:=172 Description=Reset
<b>Probe</b>
V_Length
V_CblLen
V_Type
<b>Info</b>
V_FirmwareRevision
V_SerialNumber
V_CalSta
V_ApplicationSpecificTag
V_DeviceSpecificTag
<b>SigQua</b>
V_SigQa1
V_SigQa2
V_SigQa3
<b>SONSTIGES</b>
<b>Monitor</b>
V_SupplyVoltage * 0.001 + 0 V
V_SensorTemperature * 0.1 + 0 °C
V_PowerUpCounter
V_OperatingTime s
V_SystemMonitor
V_MinimumLevel
V_MaximumLevel
V_SystemCommand, wo Button:=190 Description=Reset_LevelMinMax
<b>Security</b>
V_InputData
V_OutputData, ro
V_UniqueID, ro
V_Reserved

**Diagnosis Menu****Diagnose Menü****Spezialist**

V\_DeviceAccessLocks

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.

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