

Version: V0.1	Release Date: 2017-09-22
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[\[Process Data\]](#)
[\[Standard Variables\]](#)
[\[Variables\]](#)
[\[Events\]](#)
[\[Menus\]](#)

UK1A/GW-0EIOSY, UK1A/GW-1EIOSY	
Vendor ID	773 (0x0305)
Vendor Name	MD Micro Detectors S.p.A.
Vendor Text	MD Micro Detectors S.p.A.
Vendor URL	www.microdetectors.com
Device ID	1104 (0x000450)
DeviceFamily	Ultrasonic Sensors
	
Features	
Block Parameter	yes
Data Storage	yes
Profile Characteristic	0x0001 (Device Profile: Generic Profiled Sensor), 0x8000 (Function Class: Device identification), 0x8001 (Function Class: Multiple switching signal), 0x8002 (Function Class: Process data variable), 0x8003 (Function Class: Device diagnosis), 0x8004 (Function Class: Teach channel)
Supported Access Locks	Parameter: no, Data Storage: yes, Local Parameterization: yes, Local User Interface: no
Communication	
IO-Link Revision	V1.1
Compatible with	V1.0
Transmission Rate	38400 bit/s (COM2)
Minimum Cycle Time	3.2 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	
UK1A/GW-0EIOSY	
Description	Ultrasonic Distance Sensor
Product ID	UK1A/GW-0EIOSY
Device Icon	
Device Symbol	
Connection Type	Non-standard connector
Connection Symbol	
Connection Description	M12-5 / 1=[L+] 2=[OUT2] 3=[L-] 4=[C/Q] 5=[N.C.]
Device Variant	
UK1A/GW-1EIOSY	
Description	Ultrasonic Distance Sensor
Product ID	UK1A/GW-1EIOSY
Device Icon	
Device Symbol	
Connection Type	Non-standard connector
Connection Symbol	
Connection Description	M12-5 / 1=[L+] 2=[OUT2] 3=[L-] 4=[C/Q] 5=[N.C.]

[\[Top\]](#)

ProcessData id=V_PdT

ProcessDataIn "Process Input Data" id=V_PdInT

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	16	16-bit Integer	-32760 = UL, 32760 = OL, 40..500					Distance	Current distance
2	8	8-bit Integer						Temperature	Current device temperature
3	4	4-bit Integer	0..2					Diagnosis	Current device status, a copy of the variable [Device Status] in the process data channel
6	1	Boolean	false = inactive, true = active					OUT2	[OUT2] Hysteresis normally open
7	0	Boolean	false = inactive, true = active					OUT1	[OUT1] Hysteresis normally open

Octet 0

bit offset	31	30	29	28	27	26	25	24
subindex	1							
element bit	15	14	13	12	11	10	9	8

Octet 1

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

Octet 2

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

Octet 3

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

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: 65 = [SP1] one-point teach, determines the teach point for [SP1], 66 = [SP2] one-point teach, determines the teach point for [SP2], 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

description: The access to the device parameters can be restricted by setting appropriate flags within this parameter.

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	false = Unlocked, true = Locked					Parameter Write Access	This lock prevents the write access to all read/write parameters of the device except for the parameter 'Device Access Locks'.
2	1	Boolean	false = Unlocked, true = Locked	false				Data Storage	This lock prevents the write access to the device parameters via the data storage mechanism.
3	2	Boolean	false = Unlocked, true = Locked	false				Local Parameterization	This lock prevents the device settings from being changed via local operating elements on the device.
4	3	Boolean	false = Unlocked, true = Locked					Local User Interface	This lock prevents the access to the device settings and display via a local user interface. The user interface is disabled.

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

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

data type: 64-octet String UTF-8

default value: "MD Micro Detectors S.p.A."

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
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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: "MD Micro Detectors S.p.A."

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

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

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: "Ultrasonic Distance Sensor"

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[8] of 3-octet OctetString (subindex access not supported)

default value: 0x00,0x00,0x00

access rights: ro

dynamic

octet	0	1	2	3	4	5	6	7
bit offset	191 - 184	183 - 176	175 - 168	167 - 160	159 - 152	151 - 144	143 - 136	135 - 128
subindex	1	1	1	2	2	2	3	3

octet	8	9	10	11	12	13	14	15
bit offset	127 - 120	119 - 112	111 - 104	103 - 96	95 - 88	87 - 80	79 - 72	71 - 64
subindex	3	4	4	4	5	5	5	6

octet	16	17	18	19	20	21	22	23
bit offset	63 - 56	55 - 48	47 - 40	39 - 32	31 - 24	23 - 16	15 - 8	7 - 0
subindex	6	6	7	7	7	8	8	8

Standard Variable "PD Input" index=40 id=V_ProcessDataInput

description: Last valid process input data of the device.

data type: see ProcessDataIn!

access rights: ro

dynamic

[\[Top\]](#)**Variable "TI Select" index=58 id=V_TI_Select**

description: Teach selection

data type: 8-bit UInteger

allowed values: 1 = SSC1, 2 = SSC2

default value: 1

access rights: rw

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

Variable "TI Result" index=59 id=V_TI_Result

description: Teach result

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

access rights: ro

dynamic

subindex	bit offset	data type	allowed values	default value	acc. restr.	mod. other var.	excl. from DS	name	description
5	0	4-bit UInteger	0 = Idle, 1 = SP1 Success, 2 = SP2 Success, 3 = SP12 Success, 4 = Wait for command, 5 = Busy, 7 = Error	0				State	Current teach state

Octet 0

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

Variable "SSC1 Param" index=60 id=V_SSC1_Param

description: Switching signal channel 1, parameter

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	16	16-bit Integer	50..400	400				SP1	
2	0	16-bit Integer	50..400	50				SP2	

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

Variable "SSC1 Config" index=61 id=V_SSC1_Config

description: Switching signal channel 1, configuration

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	24	8-bit UInteger	0 = High active, 1 = Low active	0				Logic	
2	16	8-bit UInteger	0 = Deac / Deactivated, 1 = Sng.P / Single Point, 2 = Wind / Window, 3 = Two.P / Two points	1				Mode	
3	0	16-bit UInteger	1..10	5				Hyst	

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

Variable "SSC2 Param" index=62 id=V_SSC2_Param

description: Switching signal channel 2, parameter

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	16	16-bit Integer	50..400	50				SP1	
2	0	16-bit Integer	50..400	50				SP2	

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

Variable "SSC2 Config" index=63 id=V_SSC2_Config

description: Switching signal channel 2, configuration
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	24	8-bit UInteger	0 = High active, 1 = Low active	0				Logic	
2	16	8-bit UInteger	0 = Deac / Deactivated, 1 = Sng.P / Single Point, 2 = Wind / Window, 3 = Two.P / Two points	1				Mode	
3	0	16-bit UInteger	1..10	5				Hyst	

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

Variable "SSC1 Switch-On delay" index=370 id=V_SSC1_dS

description: Switchching signal channel 1, Switch-On delay
data type: 16-bit UInteger
allowed values: 0..2000
default value: 0
access rights: rw

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

Variable "SSC1 Switch-Off delay" index=371 id=V_SSC1_dr

description: Switchching signal channel 1, Switch-Off delay
data type: 16-bit UInteger
allowed values: 0..2000
default value: 0
access rights: rw

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

Variable "SSC2 Switch-On delay" index=372 id=V_SSC2_dS

description: Switchching signal channel 2, Switch-On delay
data type: 16-bit UInteger
allowed values: 0..2000
default value: 0
access rights: rw

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

Variable "SSC2 Switch-Off delay" index=373 id=V_SSC2_dr

description: Switchching signal channel 2, Switch-Off delay
data type: 16-bit UInteger
allowed values: 0..2000
default value: 0
access rights: rw

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

Variable "FILT" index=515 id=V_FILT

description: Filter or response time of the measured signal, LOW indicates fast, HIGH indicates slow response
data type: 8-bit UInteger
allowed values: 0 = OFF, 1 = LOW, 2 = MEDl, 3 = HIGH
default value: 2
access rights: rw

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

Variable "Number_Of_Powercycles" index=541 id=V_Number_Of_Powercycles

description: Number of power cycles
data type: 16-bit UInteger
allowed values: 0..65535
default value: 0
access rights: ro
dynamic

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

Variable "Operating_Hours" index=542 id=V_Operating_Hours

description: Operating hours
data type: 16-bit UInteger
allowed values: 0..65535
default value: 0
access rights: ro
dynamic

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

Variable "Loc" index=550 id=V_Loc

description: [Loc] locks the local user interface to prevent unintentional changes, [Loc] is resettable at the device
data type: 8-bit UInteger
allowed values: 0 = Loc, 1 = uLoc
default value: 1
access rights: rw

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

Variable "ECHO" index=2300 id=V_ECHO

description: Echo quality
data type: 8-bit UInteger
allowed values: 0 = no, 1 = LOW, 2 = MED, 3 = GOOD, 4 = HIGH
access rights: ro
dynamic

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

Variable "Background Suppression" index=2301 id=V_bACS

description: Background suppression
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 "Background value" index=2302 id=V_bACV

description: Distance to background. Value must be greater than (SP1 + Hyst). Value is set by teach procedure.
data type: 16-bit Integer
allowed values: 100..400
default value: 400
access rights: rw

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

Variable "Sound cone width" index=3005 id=V_SoundConeWidth

data type: 8-bit UInteger
allowed values: 0 = narrow sound cone, 1 = normal sound cone
default value: 1
access rights: rw

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

Variable "Internal temperature over lifetime" index=3006 id=V_InternalTempOLT

data type: 8-bit Integer
allowed values: -125..125
access rights: ro

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

Variable "Internal temperature" index=3007 id=V_InternalTempActual

data type: 8-bit Integer
allowed values: -125..125
access rights: ro

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

[\[Top\]](#)

Events

Code	Type	Name	Description
16912 (0x4210)	Warning	Device temperature overrun	Clear source of heat
30480 (0x7710)	Error	Short circuit	Check installation

[\[Top\]](#)

Operator Menus

Identification Menu

V_VendorName, ro
V_ProductName, ro
V_ProductText, ro
V_SerialNumber, ro
V_HardwareRevision, ro
V_FirmwareRevision, ro
V_ApplicationSpecificTag, ro

Parameters Menu**Signal**

V_FILT, ro
V_ECHO, ro
V_bACS, ro

Teach

V_TI_Select, ro
V_TI_Result, ro
V_bACV * 1 + 0 mm, ro Dec.0

Digital output 1

V_SSC1_Param.SP1 * 1 + 0 mm, ro Dec.0
V_SSC1_Param.SP2 * 1 + 0 mm, ro Dec.0
V_SSC1_Config.Logic, ro
V_SSC1_Config.Mode, ro
V_SSC1_Config.Hyst, ro
V_SSC1_dS * 1 + 0 ms, ro Dec.0
V_SSC1_dr * 1 + 0 ms, ro Dec.0

Digital output 2

V_SSC2_Param.SP1 * 1 + 0 mm, ro Dec.0
V_SSC2_Param.SP2 * 1 + 0 mm, ro Dec.0
V_SSC2_Config.Logic, ro
V_SSC2_Config.Mode, ro
V_SSC2_Config.Hyst, ro
V_SSC2_dS * 1 + 0 ms, ro Dec.0
V_SSC2_dr * 1 + 0 ms, ro Dec.0

Setting of the sensor display

V_Loc, ro

Setup

V_DeviceAccessLocks.Local Parameterization, ro
V_SoundConeWidth, ro

Observation Menu**Process Data Input/Output**

V_ProcessDataInput.1 * 1 + 0 mm, Dec.0
V_ProcessDataInput.2 * 1 + 0 °C, ro Dec.0
V_ProcessDataInput.3
V_ProcessDataInput.6
V_ProcessDataInput.7

Diagnosis Menu**Diagnosis**

V_DeviceStatus
V_DetailedDeviceStatus
V_Number_Of_Powercycles * 1 + 0, Dec.0
V_Operating_Hours * 1 + 0 h, Dec.0
V_InternalTempActual
V_InternalTempOLT

Maintenance Menus**Identification Menu**

V_VendorName
V_ProductName
V_ProductText
V_SerialNumber
V_HardwareRevision
V_FirmwareRevision

V_ApplicationSpecificTag

Parameters Menu**Signal**

V_FILT

V_ECHO

V_bACS

Teach

V_SystemCommand, Button:=65

V_SystemCommand, Button:=66

V_TI_Select

V_TI_Result

V_bACV * 1 + 0 mm, Dec.0

Digital output 1

V_SSC1_Param.SP1 * 1 + 0 mm, Dec.0

V_SSC1_Param.SP2 * 1 + 0 mm, Dec.0

V_SSC1_Config.Logic

V_SSC1_Config.Mode

V_SSC1_Config.Hyst

V_SSC1_dS * 1 + 0 ms, Dec.0

V_SSC1_dr * 1 + 0 ms, Dec.0

Digital output 2

V_SSC2_Param.SP1 * 1 + 0 mm, Dec.0

V_SSC2_Param.SP2 * 1 + 0 mm, Dec.0

V_SSC2_Config.Logic

V_SSC2_Config.Mode

V_SSC2_Config.Hyst

V_SSC2_dS * 1 + 0 ms, Dec.0

V_SSC2_dr * 1 + 0 ms, Dec.0

Setting of the sensor display

V_Loc

Setup

V_SystemCommand, Button:=130

V_DeviceAccessLocks.Local Parameterization

V_DeviceAccessLocks.Data Storage

V_SoundConeWidth

Observation Menu**Process Data Input/Output**

V_ProcessDataInput.1 * 1 + 0 mm, Dec.0

V_ProcessDataInput.2 * 1 + 0 °C, ro Dec.0

V_ProcessDataInput.3

V_ProcessDataInput.6

V_ProcessDataInput.7

Diagnosis Menu**Diagnosis**

V_DeviceStatus

V_DetailedDeviceStatus

V_Number_Of_Powercycles * 1 + 0, Dec.0

V_Operating_Hours * 1 + 0 h, Dec.0

V_InternalTempActual

V_InternalTempOLT

Commissioning Menus**Identification Menu**

V_VendorName

V_ProductName

V_ProductText

V_SerialNumber

V_HardwareRevision

V_FirmwareRevision

V_ApplicationSpecificTag

Parameters Menu	
Signal	
V_FILT	
V_ECHO	
V_bACS	
Teach	
V_SystemCommand, Button:=65	
V_SystemCommand, Button:=66	
V_TI_Select	
V_TI_Result	
V_bACV * 1 + 0 mm, Dec.0	
Digital output 1	
V_SSC1_Param.SP1 * 1 + 0 mm, Dec.0	
V_SSC1_Param.SP2 * 1 + 0 mm, Dec.0	
V_SSC1_Config.Logic	
V_SSC1_Config.Mode	
V_SSC1_Config.Hyst	
V_SSC1_dS * 1 + 0 ms, Dec.0	
V_SSC1_dr * 1 + 0 ms, Dec.0	
Digital output 2	
V_SSC2_Param.SP1 * 1 + 0 mm, Dec.0	
V_SSC2_Param.SP2 * 1 + 0 mm, Dec.0	
V_SSC2_Config.Logic	
V_SSC2_Config.Mode	
V_SSC2_Config.Hyst	
V_SSC2_dS * 1 + 0 ms, Dec.0	
V_SSC2_dr * 1 + 0 ms, Dec.0	
Setting of the sensor display	
V_Loc	
Setup	
V_SystemCommand, Button:=130	
V_DeviceAccessLocks.Local Parameterization	
V_DeviceAccessLocks.Data Storage	
V_SoundConeWidth	

Observation Menu
Process Data Input/Output
V_ProcessDataInput.1 * 1 + 0 mm, Dec.0
V_ProcessDataInput.2 * 1 + 0 °C, ro Dec.0
V_ProcessDataInput.3
V_ProcessDataInput.6
V_ProcessDataInput.7

Diagnosis Menu
Diagnosis
V_DeviceStatus
V_DetailedDeviceStatus
V_Number_Of_Powercycles * 1 + 0, Dec.0
V_Operating_Hours * 1 + 0 h, Dec.0
V_InternalTempActual
V_InternalTempOLT

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