

FXFF0xx

Flow Sensors



Interface Description

IO-Link FxFF0xx

Vendor ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
wenglör sensoric GmbH	0x0057	87	00 57	0 87

Device ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
FxFF0	0x2F0000	3080192	2F 00 00	47 0 0

IO-Link Version: V 1.1
 Data Storage: Yes
 Blockparameter: Yes
 Min Cycle Time: 3,2 ms
 SIO-Mode: Yes
 COM-Mode: COM2

Process data (Length: 32 Bit)

Subindex	Name	Bit Offset	Length	Range
1	Output 1	0	1 Bit	0 = false/off 1 = true/on
2	Output 2	1	1 Bit	0 = false/off 1 = true/on
3	Flow unstable	2	1 Bit	0 = Flow stable 1 = Flow unstable
4	Measured value Flow	6...15	10 Bit	0...400 cm/s
5	Measured value Temperature	16...31	16 Bit	-50...150 °C in 0,1 °C resolution

Octet 0

Subindex	5							
Bit Offset	31	30	29	28	27	26	25	24

Octet 1

Subindex	5							
Bit Offset	23	22	21	20	19	18	17	16

Octet 2

Subindex	4							
Bit Offset	15	14	13	12	11	10	9	8

Octet 3

Subindex	4		-	-	-	3	2	1
Bit Offset	7	6	5	4	3	2	1	0

Identification

Name	Index (hex)	Index (dec)	Subindex	R/W	Datentyp	Data Storage	Dyna-mic	Modify others	Default value	Range
Vendor Name	0x0010	16	0	R	String				wenglor sensoric GmbH	
Vendor Text	0x0011	17	0	R	String				the innovative family	
Product Name	0x0012	18	0	R	String				FXFF0	
Product ID	0x0013	19	0	R	String					
Product Text	0x0014	20	0	R	String				Flow Sensor	
Serial Number	0x0015	21	0	R	String					
Hardware Revision	0x0016	22	0	R	String					
Firmware Revision	0x0017	23	0	R	String					
Application Specific Name	0x0018	24	0	R/W	String 32 Byte	X			***	

Parameter

Name	Index (hex)	Index (dec)	Subindex	R/W	Length	Data Storage	Dyna-mic	Modify others	Default value	Range
Device Settings										
System Command	0x0002	2	0	W	Uint8			X		Factory Reset = 0x82 (130)
Device Access Locks	0x000C	12	0	R/W	Uint16	X			0	0...0x0003: Bit 0: Parameter write access Locked Bit 1: Data Storage locked
Temperature Unit	0x0111	273	0	R/W	Uint8	X			0	0 = Celsius 1 = Fahrenheit
Filter (Flow)	0xD0	208	0	R/W	Uint8	X			2	0...10
A1 Output										
A1 Pin-Function	0x40	64	0	R/W	Uint8	X			1	0 = Switching Output Temperature 1 = Switching Output Flow
A1 Switching Point 2 Temperature	0x270	624	0	R/W	Int16	X			5000	-5000..+15000 [1/100 °C]
A1 Switching Point 1 Temperature	0x271	625	0	R/W	Int16	X			7500	-5000..+15000 [1/100 °C]
A1 Switching Point 2 Flow	0x272	626	0	R/W	Int16	X			150	0...400 [cm/s]
A1 Switching Point 1 Flow	0x273	627	0	R/W	Int16	X			200	0...400 [cm/s]
A1 NO / NC	0x210	528	0	R/W	Uint8	X			0	0 = normally open 1 = normally closed
A1/A2 NPN/ PNP	0x220	544	0	R/W	Uint8	X			0	0 = PNP 1 = NPN 2 = Push-Pull
A2 Output										
A2 Pin-Function	0x41	65	0	R/W	Uint8	X			3	0 = Switching Output Temperature 1 = Switching Output Flow 2 = Analog Output Temperature 3 = Analog Output Flow 4 = Remote-Switching Output 5 = Remote-Analog Output
A2 Switching Point 2 Temperature	0x280	640	0	R/W	Int16	X			5000	-5000..+15000 [1/100 °C]

A2 Switching Point 1 Temperature	0x281	641	0	R/W	Int16	X			7500	–5000..+15000 [1/100 °C]
A2 Switching Point 2 Flow	0x282	642	0	R/W	Int16	X			150	0....400 [cm/s]
A2 Switching Point 1 Flow	0x283	643	0	R/W	Int16	X			200	0....400 [cm/s]
A2 NO / NC	0x211	529	0	R/W	UInt8	X			0	0 = normally open 1 = normally closed
A2 Analog Modus U/I	0x83	131	0	R/W	UInt8	X			1	0 = Voltage Output 1 = Current Output
A2 Analog Temperature 0 V / 4 mA	0x81	129	0	R/W	Int16	X			-5000	–5000..+15000 [1/100 °C]
A2 Analog Temperature 10 V / 20 mA	0x82	130	0	R/W	Int16	X			15000	–5000..+15000 [1/100 °C]
A2 Analog Flow 0 V / 4 mA	0x84	132	0	R/W	Int16	X			0	0....400 [cm/s]
A2 Analog Flow 10 V / 20 mA	0x85	133	0	R/W	Int16	X			400	0....400 [cm/s]
A2 Remote-Switching Output	0x1000	4096	0	R/W	UInt8					0 = open 1 = closed
A2 Remote-Analog Value	0x1001	4097	0	R/W	Int16					0..1000