



IO-Link Interface Description

InLine, 0 - 145 psi

General Data

Vendor ID	856 (0x0358)
Device ID	598552 (0x092218)
IO-Link Revision	V1.1
SIO mode	supported
Process data	16-bit pressure value, 2 switching points
Baudrate	COM2 (38.4 kBaud)
Minimum cycle time	5 ms

Process data input

RecordT (24Bit)

Pressure	IntegerT (16 Bit)
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Current pressure

Value range [mbar] (0 to 10000)

Gradient (multiplier) to obtain pressure desired unit

psi

0.014504

The pressure is passed to the IO-link master in units of mbar. To obtain the pressure in the desired units, the PLC will need to multiply the value by the multiplier shown in the table above.

OUT 1	BooleanT (Bit offset 22, Bit length 1)
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Current status of the digital signal [OUT 1]

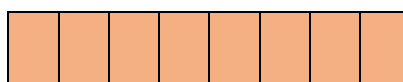
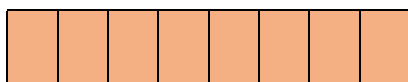
Value range false (OFF)
true (On)

OUT 2	BooleanT (Bit offset 23, Bit length 1)
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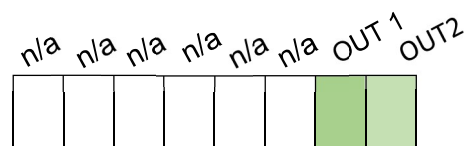
Current status of the digital signal [OUT 2]

Value range false (OFF)
true (On)

Pressure



Word 1





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IO-Link - specific device data

Index dec (hex)	Sub Index	Name	Length	Data type	Access	Default value	Value range
2 (0x02)	0	System command	8 Bit	UInt	wo		(130) Reset Factory Settings
12 (0x0C)	0	Device Access Locks	16 Bit				
	4	Local user interface	1 Bit	Boolean	rw	0	(false) Unlocked (true) Locked
16 (0x10)	0	Vendor Name	max 19 Byte	String	ro	MP-Sensor	
17 (0x11)	0	Vendor Text	max 11 Byte	String	ro	www.mp-sensor.de	
18 (0x12)	0	Product Name	max 6 Byte	String	ro	InLine	
19 (0x13)	0	Product ID	max 6 Byte	String	ro	[product number]	
20 (0x14)	0	Product Text	max 26 Byte	String	ro	Pressure Sensor InLine - 0...145 psi	
21 (0x15)	0	Hardware Revision	max 2 Byte	String	ro		
22 (0x16)	0	Firmware Revision	max 5 Byte	String	ro		
23 (0x17)	0	Application Specific Tag	32 Byte	String	rw		
24 (0x18)	0	Device Status	8 Bit	UInt	ro		
32 (0x20)	0	Detailed Device Status	3 Byte	Array	ro		



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InLine – specific device data

<i>Index dec (hex)</i>	<i>Sub Index</i>	<i>Name</i>	<i>Length</i>	<i>Data type</i>	<i>Access</i>	<i>Default Value</i>	<i>Value range</i>	<i>Unit</i>
64 (0x40)	0	Switching threshold on, Hysteresis mode 1	16 Bit	Int	rw	4600	Lower Value = 0 Upper Value = 10000	mbar
65 (0x41)	0	Switching threshold on, Hysteresis mode 2	16 Bit	Int	rw	7900	Lower Value = 0 Upper Value = 10000	mbar
66 (0x42)	0	Switching threshold off, Hysteresis mode 1	16 Bit	Int	rw	3900	Lower Value = 0 Upper Value = 10000	mbar
67 (0x43)	0	Switching threshold off, Hysteresis mode 2	16 Bit	Int	rw	7200	Lower Value = 0 Upper Value = 10000	mbar
68 (0x44)	0	Upper switching threshold, Comparator mode	16 Bit	Int	rw	4600	Lower Value = 0 Upper Value = 10000	mbar
69(0x45)	0	Upper switching threshold, Comparator mode	16 Bit	Int	rw	7900	Lower Value = 0 Upper Value = 10000	mbar
70 (0x46)	0	Lower switching threshold, Comparator mode 1	16 Bit	Int	rw	3900	Lower Value = 0 Upper Value = 10000	mbar
71 (0x47)	0	Lower switching threshold, Comparator mode 2	16 Bit	Int	rw	7200	Lower Value = 0 Upper Value = 10000	mbar



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72 (0x48)	0	Switch-on delay, Channel 1	16 Bit	UInt	rw	0	Lower Value = 0 Upper Value = 999	100ms/step
73 (0x49)	0	Switch-on delay, Channel 2	16 Bit	UInt	rw	0	Lower Value = 0 Upper Value = 999	100ms/step
74 (0x4A)	0	Switch-off delay, Channel 1	16 Bit	UInt	rw	0	Lower Value = 0 Upper Value = 999	100ms/step
75 (0x4B)	0	Switch-off delay, Channel 2	16 Bit	UInt	rw	0	Lower Value = 0 Upper Value = 999	100ms/step
76 (0x4C)	0	Mode selection, Channel 1	8 Bit	UInt	rw	1	(0) Windows Mode (1) Hysteresis Mode	
77 (0x4D)	0	Mode selection, Channel 2 [Mode Ch2]	8 Bit	UInt	rw	0	(0) Windows Mode (1) Hysteresis Mode (2) Diagnosis Mode	
78 (0x4E)	0	Type of contact (normally open/normally closed), Channel 1	8 Bit	UInt	rw	1	(0) NC (1) NO	
79 (0x4F)	0	Type of contact (normally open/normally closed), Channel 2	8 Bit	UInt	rw	1	(0) NC (1) NO	
85 (0x55)	0	Clear commands	8 Bit	UInt	wo		(0) Clear min press (1) Clear max press	
88 (0x58)	0	Offset	16 Bit	Int	ro		Lower Value = -1000 Upper Value = 1000	mbar
89 (0x59)	0	Minimum pressure	16 Bit	Int	ro		Lower Value = 0 Upper Value = 10000	mbar
90 (0x5A)	0	Maximum pressure	16 Bit	Int	ro		Lower Value = 0 Upper Value = 10000	mbar

Irrtümer und Änderungen vorbehalten / Subject to change without notice