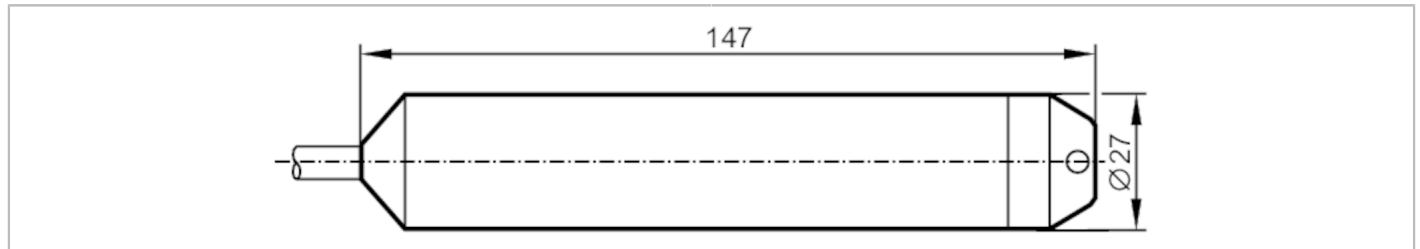


PS307A



Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE 1G/1D



Application	
Media	Liquids
Medium temperature [°C]	-10...60; (T6: -10...60 °C; T5: -10...80 °C; T4: -10...85 °C; 1 D, 1/2 D, 2 D (750 mW): -10...40 °C; (650 mW): -10...70 °C; (550 mW): -10...85 °C)
Pressure rating [bar]	4
Min. bursting pressure [bar]	4.8
Type of pressure	relative pressure
Electrical data	
Switching amplifiers	connection to intrinsically safe supply isolators (Ex ia)
Operating voltage [V]	10...30 DC
Protection class	III
Reverse polarity protection	yes
Inputs / outputs	
Number of inputs and outputs	Number of analogue outputs: 1
Outputs	
Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	700; (U _b = 24 V; (U _b - 10 V) / 20 mA)
Short-circuit protection	yes
Measuring/setting range	
Measuring range	0...0.6 bar 0...600 mbar
Accuracy / deviations	
Repeatability [% of the span]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]	< 0,25 (BFSL) / 0,5; (incl. linearity, zero and span error (limit value setting))
Linearity deviation [% of the span]	< 0,2 (BFSL)
Long-term stability [% of the span]	< 0,2; (per year)
Temperature coefficient zero point [% of the span / 10 K]	< ± 0,2; (0...50 °C)
Temperature coefficient span [% of the span / 10 K]	< ± 0,2; (0...50 °C)

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Operating conditions	
Ambient temperature	[°C] -10...60
	T6: -10...60 °C
	T5: -10...80 °C
	T4: -10...85 °C
Note on ambient temperature	1 D, 1/2 D, 2 D (750 mW): -10...40 °C
	1 D, 1/2 D, 2 D (650 mW): -10...70 °C
	1 D, 1/2 D, 2 D (550 mW): -10...85 °C
Storage temperature	[°C] -10...60
Protection	IP 68
Tests / approvals	
Approval	BVS 10 ATEX E 132 X; IECEx BVS 10.0085 X
ATEX marking	Ex I M1 Ex ia I Ma
	Ex II 1 G Ex ia IIA T4/T5/T6 Ga
	Ex II 1/2G Ex ia IIC T4/T5/T6 Ga/Gb
	Ex II 2 G Ex ia IIC T4/T5/T6 Gb
	Ex II 1D Ex ia IIIC T120°C Da
MTTF	[years] 969
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data	
Weight	[g] 1051.5
Materials	stainless steel (1.4571/316Ti)
Remarks	
Pack quantity	1 pcs.

PS307A



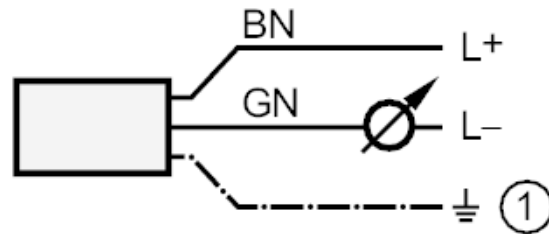
Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 10M FEP CABLE 1G/1D

Electrical connection

Cable: 10 m, FEP, Ø 7.5 mm

Connection



1: screen (connected to the housing)

Core colours :

BN = brown

GN = green