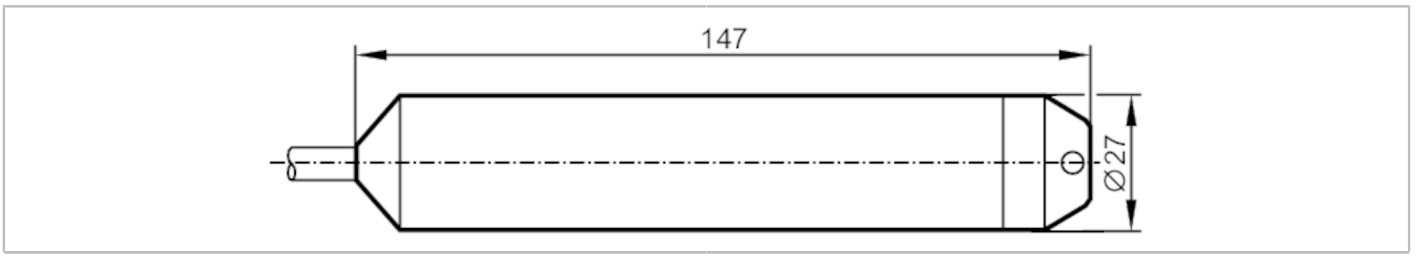
PS4506

Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 20M FEP CABLE



Product characteristics					
Number of inputs and outputs	Number of analogue outputs: 1				
Measuring range	0...0.6 bar	0...600 mbar	0...8.7 psi	0...240.9 inH2O	0...60 kPa
Application					
Design	with capillary tube for pressure compensation				
Application	for industrial applications				
Media	Liquids				
Medium temperature [°C]	-10...85				
Min. bursting pressure	4 bar	58 psi	400 kPa		
Pressure rating	3 bar	43.5 psi	300 kPa		
Type of pressure	relative pressure				
Electrical data					
Operating voltage [V]	10...30 DC				
Protection class	III				
Reverse polarity protection	yes				
Measuring principle	hydrostatic				
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; (Ub = 24 V; (Ub - 10 V) / 20 mA)				
Short-circuit protection	yes				
Measuring/setting range					
Measuring range	0...0.6 bar	0...600 mbar	0...8.7 psi	0...240.9 inH2O	0...60 kPa
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)				

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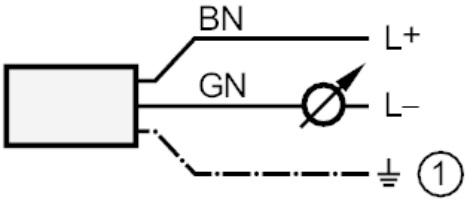
Temperature coefficient zero point [% of the span / 10 K]		< ± 0,2; (0...50 °C)
Temperature coefficient span [% of the span / 10 K]		< ± 0,2; (0...50 °C)
Operating conditions		
Ambient temperature	[°C]	-10...85
Storage temperature	[°C]	-30...80
Protection		IP 68
Tests / approvals		
MTTF	[years]	403
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight	[g]	1754
Materials		stainless steel (316Ti/1.4571); PA
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Cable: 20 m, FEP, Ø 7.5 mm

Connection



1:	screen (connected to the housing)
	Core colours :
BN =	brown
GN =	green