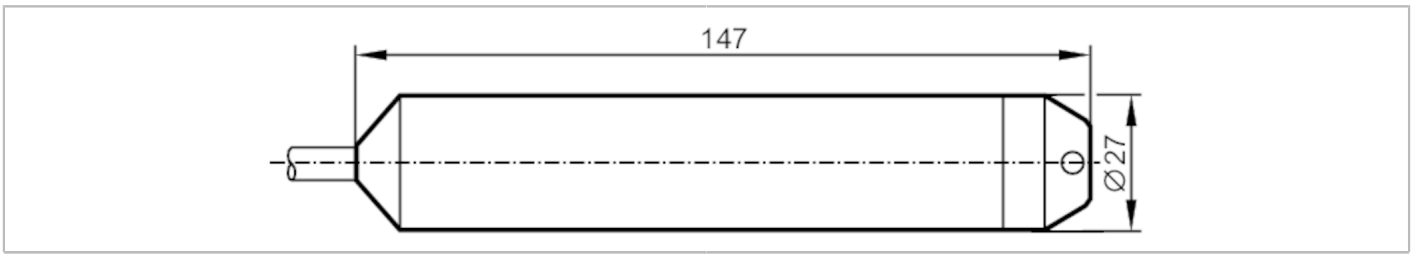
PS4506

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...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...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		< 0,2; (per year)			

PS4506

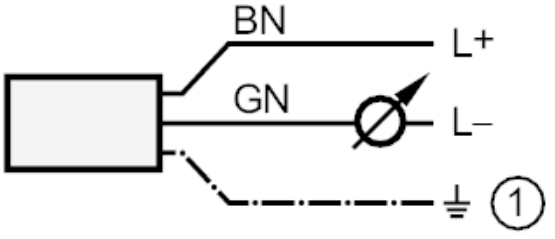
Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 20M FEP CABLE

[% of the span]		
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 (1.4571/316Ti); 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