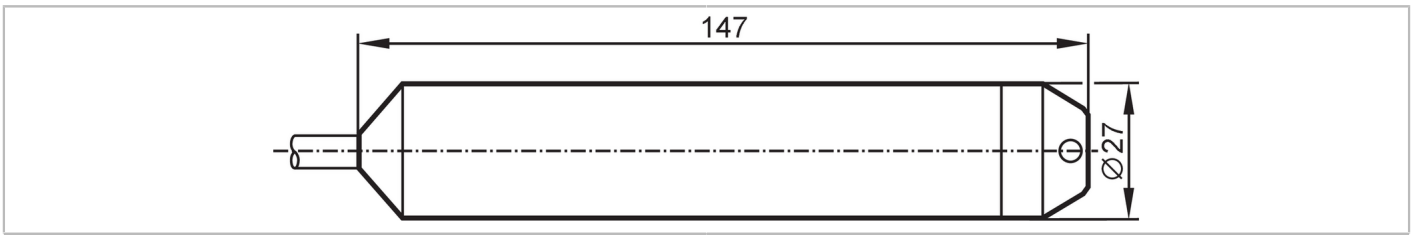
PS4417

Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 15M FEP CABLE



Product characteristics						
Number of inputs and outputs		Number of analogue outputs: 1				
Measuring range		0...1 bar	0...1000 mbar	0...14.5 psi	0...401.5 inH2O	0...100 kPa
Application						
Design		with capillary tube for pressure compensation				
Application		for industrial applications				
Media		Liquids				
Medium temperature	[°C]	-10...85				
Min. burst pressure		6 bar	87 psi	600 kPa		
Pressure rating		5 bar	72.5 psi	500 kPa		
Type of pressure		relative pressure				
Electrical data						
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; (Ub = 24 V; (Ub - 10 V) / 20 mA)				
Short-circuit protection		yes				
Measuring/setting range						
Measuring range		0...1 bar	0...1000 mbar	0...14.5 psi	0...401.5 inH2O	0...100 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)				
Temperature coefficient zero point		< ± 0,2; (0...50 °C)				

PS4417

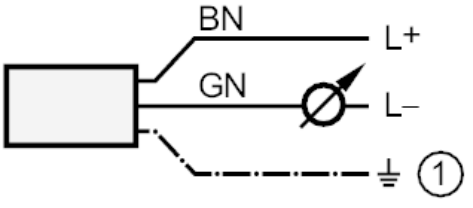
Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 15M FEP CABLE

	[% of the span / 10 K]	
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]	1388.5
Housing		cylindrical
Dimensions	[mm]	Ø 27 / L = 147
Materials		stainless steel (316Ti/1.4571); PA
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Cable: 15 m, FEP, Ø 7.5 mm

Connection



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