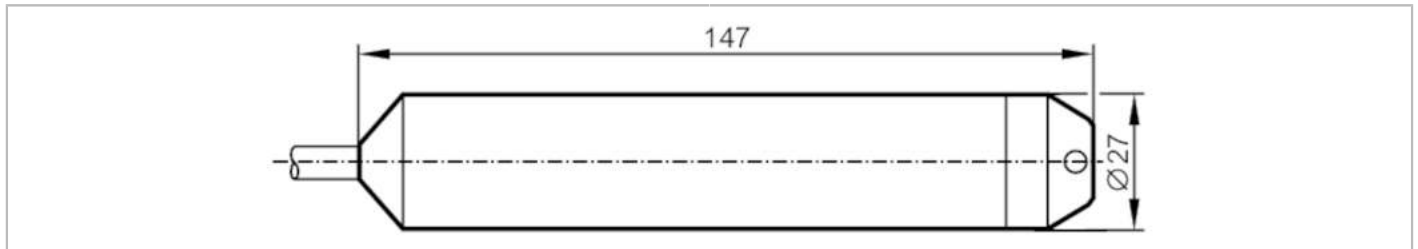


PS4506



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; (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	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)			

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	[% of the span]	
Temperature coefficient zero point	[% of the span / 10 K]	$< \pm 0,2; (0...50 \text{ } ^\circ\text{C})$
Temperature coefficient span	[% of the span / 10 K]	$< \pm 0,2; (0...50 \text{ } ^\circ\text{C})$

Operating conditions		
Ambient temperature	[°C]	-10...85
Storage temperature	[°C]	-30...80
Protection		IP 68

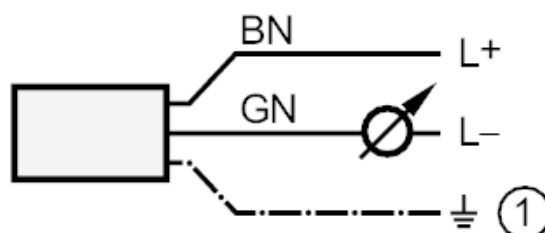
Tests / approvals		
MTTF	[years]	403
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request

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