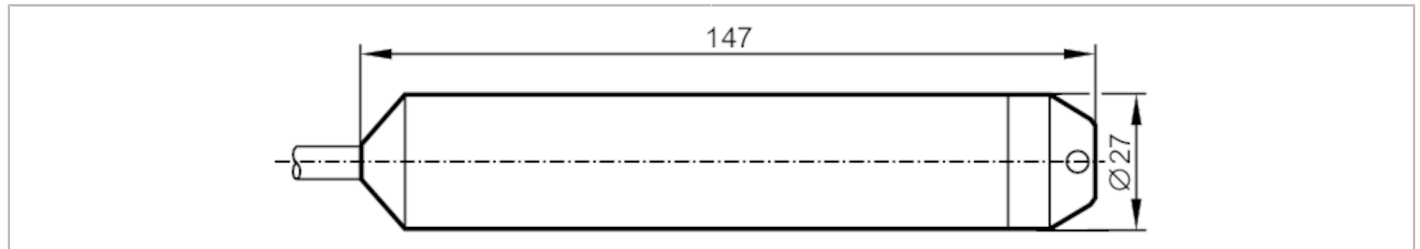


# PS4417



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 15M FEP CABLE



Product characteristics					
Number of inputs and outputs	Number of analog 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. bursting 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				
Measuring principle	hydrostatic				
Inputs / outputs					
Number of inputs and outputs	Number of analog outputs: 1				
Outputs					
Total number of outputs	1				
Output signal	analog signal				
Number of analog outputs	1				
Analog current output [mA]	4...20				
Max. load [Ω]	700; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 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)				

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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

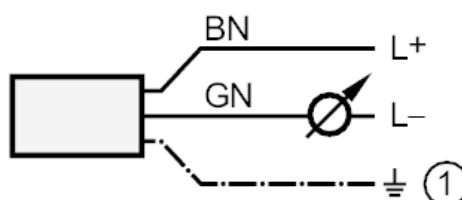
Tests / approvals	
MTTF [years]	403
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request

Mechanical data	
Weight [g]	1388.5
Material	stainless steel (1.4571/316Ti); PA

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 15 m, FEP, Ø 7.5 mm	

### Connection



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