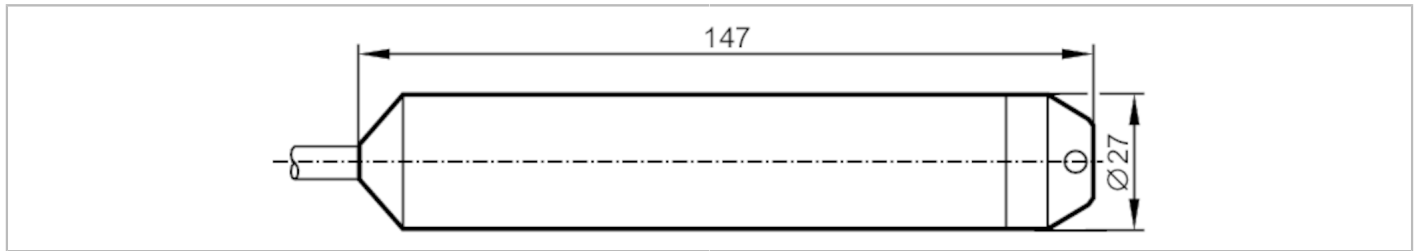


# PS4506



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 0,6BAR 20M FEP CABLE



Product characteristics				
Output signal	analogue signal			
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			
Pressure rating	3 bar	43.5 psi	300 kPa	
Min. bursting pressure	4 bar	58 psi	400 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; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 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 [% of the span]	< 0,2; (per year)			
Temperature coefficient zero point	< ± 0,2; (0...50 °C)			

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[% 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

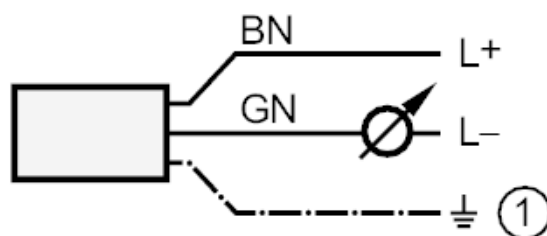
Tests / approvals	
MTTF [years]	403
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request

Mechanical data	
Weight [g]	1555
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