



Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 30M 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 inH ₂ O	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			
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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 _b = 24 V; (U _b - 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 inH ₂ O	0...100 kPa
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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]	$< \pm 0,2; (0...50\text{ }^{\circ}\text{C})$
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

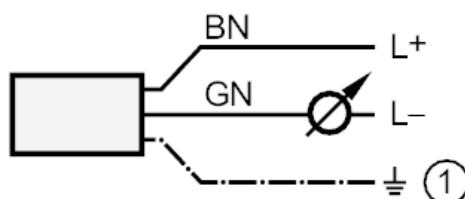
Mechanical data	
Weight [g]	2376
Housing	tubular
Dimensions [mm]	Ø 27 / L = 147
Material	stainless steel (1.4571/316Ti); PA

Remarks	
Pack quantity	1 pcs.

Electrical connection

Cable: 30 m, FEP, Ø 7.5 mm

Connection



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