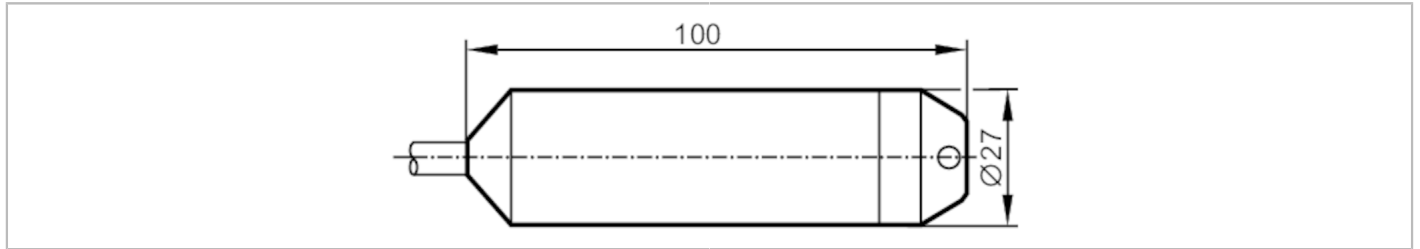


# PS3417



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 15M PUR CABLE



CE

Product characteristics	
Output signal	analogue signal
Measuring range	0...1 bar      0...1000 mbar
Application	
Design	with capillary tube for pressure compensation
Application	for industrial applications
Media	Liquids
Medium temperature      [°C]	-10...50
Pressure rating      [bar]	5
Min. bursting pressure      [bar]	6
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...1 bar      0...1000 mbar
Accuracy / deviations	
Repeatability      [% of the span]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation      [% of the span]	< 0,5 (BFSL) /1; (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...50
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]	1259
Materials		stainless steel (1.4571/316Ti ); PA

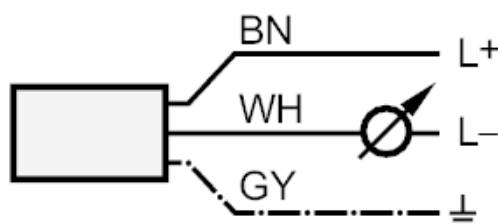
### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 15 m, PUR, Ø 7.5 mm; Core insulation:, PVC

### Connection



Core colours :

- BN = brown
- GY = grey
- WH = white