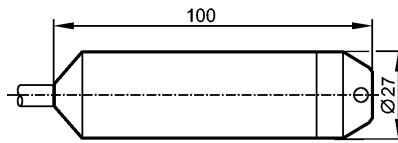


**PS3617**

SUBMERSIBLE 1BAR 30M PUR CABLE

Pressure sensors



**Product characteristics**

Submersible pressure transmitter
Cable
Cable
with capillary tube for pressure compensation
Analog output
Measuring range: 0...1 bar

**Application**

Application	Type of pressure: relative pressure Liquids
Pressure rating [bar]	5
Bursting pressure min. [bar]	6
Medium temperature [°C]	-10...50

**Electrical data**

Electrical design	DC
Operating voltage [V]	10...30 DC
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output	Analog output
Output function	4...20 mA analog
Short-circuit protection	yes
Analog output	4...20 mA
Max. load [Ω]	max. (U <sub>b</sub> - 10 V) x 50; 700 (U <sub>b</sub> = 24 V)

**Measuring / setting range**

Measuring range [bar]	0...1
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**Accuracy / deviations**

Accuracy / deviations (in % of the span)	
Characteristics deviation *)	< 0.25 (BFSL) / 0.5 ****)
Linearity	< 0.2 (BFSL)
Repeatability **)	< 0.1
Long-term stability ***)	< 0.2
Temperature coefficients (TEMPCO) in the temperature range 0...50° C (in % of the span per 10 K)	
Greatest TEMPCO of the zero point	< ± 0.2
Greatest TEMPCO of the span	< ± 0.2

**Environment**

Ambient temperature [°C]	-10...50
Storage temperature [°C]	-30...80
Protection	IP 68

**Tests / approvals**

**PS3617**

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**Pressure sensors**

MTTF	[Years]	732
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**Mechanical data**

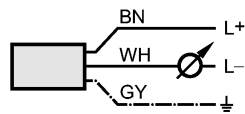
Housing materials	stainless steel 316Ti / 1.4571; PA	
Min. pressure cycles		
Weight	[kg]	2.387

**Electrical connection**

Connection	PUR cable / 30 m; wire insulation PVC, cable diameter 7.5 mm	
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**Wiring**

Core colors  
 BN brown  
 GY grey  
 WH white



**Remarks**

Remarks	<p>*) BFSL = Best Fit Straight Line                  **) with temperature fluctuations &lt; 10 K                  ***) in % of the span per year                  ****) incl. linearity, zero and span error (limit value setting)</p>
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Pack quantity	[piece]	1
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