

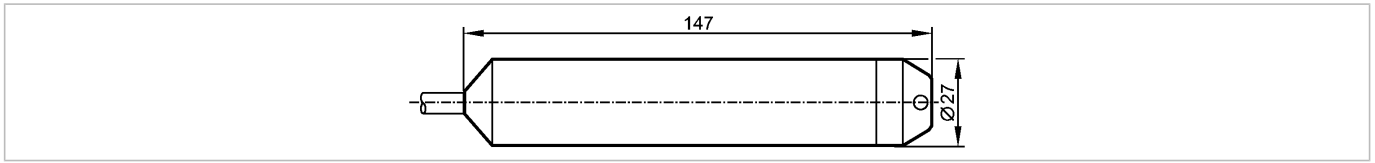


# PS4506

SUBMERSIBLE 0.6BAR 20M FEP CABLE



Pressure sensors



## Product characteristics

Submersible pressure transmitter
Cable
with capillary tube for pressure compensation
Analog output
Measuring range: 0...0.6 bar

## Application

Application	Type of pressure: relative pressure Liquids
Pressure rating [bar]	3
Bursting pressure min. [bar]	4
Medium temperature [°C]	-10...85

## 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...0.6
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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...85
Storage temperature [°C]	-30...80
Protection	IP 68

## Mechanical data

Housing materials	stainless steel 316Ti / 1.4571; PA
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Pressure sensors

Min. pressure cycles	
Weight [kg]	1.555

### Electrical connection

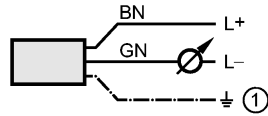
Connection	FEP cable / 20 m; cable diameter 7.5 mm
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### Wiring

Core colors

BN brown

GN green



1: screen (connected to the housing)

### 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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