Pressure transmitter

Type 502

Technical data

The relative pressure transmitter of type series 502 with new, unique ceramic technology, features calibrated and amplified sensor signals which are available as standardized voltage outputs.

The distinct advantages

- **Fully-automated manufacture, giving ideal price/performance ratio**
- **Specifically designed to detect water-pressure changes**
- **Ideal for use as a control element, owing to small hysteresis**
- **Incorporates all the benefits of ceramics technology for industrial applications**

Pressure transmitter **Type 502**

0 - 4 bar

Pressure range gradation and executions see order code selection table

Description

Technical data

Overload	8 bar	
Rupture pressure	12 bar	
Accuracy	Total of linearity, hysteresis and repeatability	
	< ± 1% fs	
	Adjustment accuracy zero point and full scale (repeatable, s	
	< ± 1.5% fs	
	TC zero point	
	< ± 0.06% fs / °C typically	
	TC sensitivity	
	< ± 0.015% fs / °C typically	
Materials in contact	Ceramic / fiber-reinforced plastic	
with the medium	ealing material EPDM	
	Tight-sealing O-ring, EPDM externally	
Temperature influences	Medium temperature	0 °C to 90 °C
	Ambient temperature	10 °C to 60° C
	TC zero point	< +/- 0.06 % fs/°C typically
	TC sensitivity	< +/- 0.015 % fs/°C typically
Lastwechsel	< 50 Hz	
Dynamic response	Suitable for static and dynamic measurements. Response t	
Signal and power supply	Signal	Power supply

	0.5 - 3.5 V	8.5 - 30 VDC 3-wire cable
	Nominal voltage to declare	
	Mechanically protectet against polarity reversal	
Load	> 10 kOhm	
Current consumption	< 5 mA	
Electrical connections	Connector 3-pin, type AMP Duoplug	
Calibration	Calibrated in the factory	