



## Pressure Transmitter - Compact Version

- Compact Design
- Superior price
- High Pressure Resistance
- No transmission liquid.
- Wide Range coverage from -1 up to 1000 bar



**Application:** Electronic pressure measurement for media such as air, chemical gases (humidly: 0 to 85% rH, not condensing), water, oil, petrol. Not suitable for media which react with glass, silicon, stainless steel 304 or silicon glue.

**Description:** Pressure transmitter convert physical pressure into an electrical signal proportional to the pressure. This Pressure Transmitter is equipped with a piezo – resistive silicon measuring cell.

### Technical Specification

<b>Measuring Accuracy</b> Deviation from the characteristic curve according to IEC 60770-limi point calibration (non-linearity, hysteresis, repeatability) : <+-1% FSO	<b>Material</b> Housing : Stainless steel 304 Pressure connection : Stainless steel 3004 Diaphragm : Silicon, glass Seal : Silicon
<b>Measuring Ranges</b> Relative pressure : Absolute up to 1000 bar	<b>Supply Voltage</b> DC 10-32 V
<b>Overpressure safety</b> At least 2 X FS (burst pressure at least 3 X FS)	<b>Output Signal</b> 4-20 mA, 2 & 3 - wire
<b>Operating temperature range</b> Medium : -25/ 80°C Ambient : -25/+85°C Storage : -40/+80°C	<b>Load</b> $4-20 \text{ mA} \leq \frac{U_B - U_{B\min}}{0.02A}$
<b>Temperature Error Band</b> In compensated range $0/70^\circ\text{C} < 0.5\% \text{ FSO}/10 \text{ K}$	<b>Current Input</b> 4-20 mA < 25mA
<b>Dynamic characteristics</b> Response time < 1ms	<b>Electrical Protection</b> Short circuit proof and protected against reverse polarity
<b>Process Connection</b> G ¼ B or, G ½ B	<b>Electrical connection/degree of protection</b> Connector & junction box as per ISO 4400 (DIN 43650-A), IP 65
	<b>CE Conformity (EMC)</b> EMC Directive 2004/108/EC

### Options

- Various Measuring ranges
- Special Output signals
- Pressure Transmitters are available with various type of Process Connections like Triclamp, SMS, Flush Diaphragm etc.
- Transmitters can also be provided along with the various accessories like Heat Sink Tower, Impulse Tubing, Condensate Pot etc.

Continuous efforts for product development may necessitate changes in these details without notice

### CONTACT DETAILS

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