



PIEZORESISTIVE PRESSURE TRANSMITTERS

SERIES 26 W

FOR LEVEL- AND HIGH PRECISION PRESSURE MEASUREMENTS

The Series 26 W transmitter utilises the Series 10 piezoresistive capsule, which is housed inside a submersible 316 L stainless steel body as standard. For corrosive applications hastelloy diaphragms and other materials are available as options. 26 W vented gauge versions have cable with integral vent tube. These transmitters are fitted with durable PE cable.

Specifications

| | | | | | | | | |
|--------------------------------|--|-----|------------------|---|----------------------------|----|----|-----|
| Pressure Ranges (FS) | 0,2 | 0,5 | 1 | 2 | 5 | 10 | 20 | bar |
| Linearity | 0,2 %FS typ. | | 0,5 %FS max. | | | | | |
| Compensated Temp. Range | 0...50 °C (on demand -10...80 °C) | | | | | | | |
| Storage-/Operating Temperature | -45...100 °C | | | | | | | |
| Temperature Coefficients... | ...of Zero, in %FS/°C | | | | ...of Sensitivity, in %/°C | | | |
| • Range > 1 bar | 0,005 | | 0,01 max. | | 0,02 max. | | | |
| • Range 1 bar | 0,010 typ. | | 0,02 max. | | 0,02 max. | | | |
| • Range 0,5 bar | 0,015 typ. | | 0,03 max. | | 0,02 max. | | | |
| • Range 0,2 bar | 0,025 typ. | | 0,05 max. | | 0,02 max. | | | |
| Stability | | | | | | | | |
| • Range > 2 bar | 0,1 %FS typ. | | 0,2 %FS max. | | | | | |
| • Range ≤ 2 bar | 2 mbar typ. | | 4 mbar max. | | | | | |
| Type | 2-Wire | | 3-Wire | | 3-Wire | | | |
| Excitation (U) | 8...28 VDC | | 10...28 VDC | | 13...28 VDC | | | |
| Signal Output | 4...20 mA | | 0...20 mA | | 0...10 V | | | |
| Load (Ω) | < (U-8 V)/0,02 A | | < (U-7 V)/0,02 A | | > 5 k | | | |
| Cable | ø 7,3 mm, PE, integrated reference tube | | | | | | | |
| Cable Length | Standard: 5 meter | | | | | | | |
| Material in Media Contact | Stainless Steel 316 L, Viton®- or Silicone O-ring | | | | | | | |
| Weight | Transmitter: 260 g / 5 m cable: 340 g | | | | | | | |
| Electromagnetic Compatibility | EN 61000-6-1 through -4 | | | | | | | |
| Options | <ul style="list-style-type: none"> - Other cable lengths - Transducer: Hastelloy-housing and diaphragm - Others versions and pressure ranges on request | | | | | | | |



Electrical Connections

| | 2-Wire | 3-Wire |
|-------|---------|--------|
| Black | +Vcc | +Vcc |
| Red | OUT/GND | +OUT |
| White | | GND |

