

PRESSURE TRANSMITTER FLUSH MEMBRANE

TS PT HT24

GENERAL DESCRIPTION

*This Transmitter combines high accuracy, reliability, repeatability and low hysteresis.
The stability is 0,1% FS typical (12months) and the endurance is >10million cycles (0...100%FS at 25°C).
The Frequency response is 1KHz.
The construction is modular concept and the sensor is the highly stable Series HT19 (isolated oil filled).*

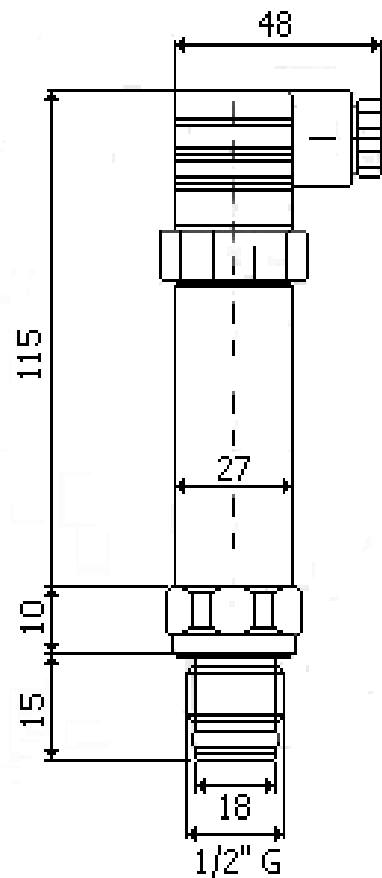
*PIEZORESISTIVE TECHNOLOGY.
The conversion of the pressure into a electrical signal is achieved by a deflection of sensor, this means a variation of resistance of the bridge.
The signal output is directly correspondent to the pressure change, in proportion the bridge unbalance.
A single electronic circuit supplies power to sensor and providing the conversion of the sensor signal into 4...20 mA.*

The materials and technology used make these pressure transmitters insensitive to chemically aggressive media and



TECHNICAL DATA

| | |
|------------------------------|------------------------------------|
| Range | from 0...0,1 to 0...350 bar |
| Overload | 2 x FS |
| Proof Pressure | 3 x FS or 50 Mpa whichever is less |
| Accuracy | < 0,3 % FS (lin.-hyst.-repet.) |
| Stability | 0,1 % FS / year |
| Output | 4...20 mA 2 wires |
| Supply | 12...30Vdc (8/30vdc optional) |
| Operative Temp. | -25°...+100° C. |
| Compensated Temp. | -10°...+70° C. |
| Total Temp error | <0,05 %/10°C. (zero&span) |
| Insulation resistance | 100 Mohm (50 VDC-VAC rms) |
| Material | stainless steel 316L |
| Protection | IP 65 – IP 67 |
| Press. Connection | ½"BSPT (G) male flush membrane |
| Electrical connection | DIN43650 (IP65) - Cable (IP67) |



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