

PTX 19 PRESSURE TRANSMITTERS (INSTALLATION GUIDE)



Every effort has been taken to ensure the accuracy of this specification, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

Stock code 52-214-2496-01

1.0 RECEIVING & UNPACKING

THIS PACKAGE CONTAINS DELICATE MEASUREMENT EQUIPMENT THAT REQUIRES CAREFUL HANDLING

Pressure transmitters are packed individually using suitable packing material which affords excellent protection for normal handling.

- 1) The external condition of the carton should be noted, with particular attention for signs of damage from impact or puncture.
- 2) When the goods are opened for inspection, ensure that the Operating Instructions and Calibration Certificate (if requested) are not accidentally lost or destroyed.
- 3) If the product has been specified for service with a critical media requiring special cleaning, the outer protection should not be removed unless under conditions of controlled cleanliness.
- 4) Do not touch, blow down or press against the measurement diaphragm as this can cause irreparable damage.

2.0 INSTALLATION

(For connection details see sections 5 & 6)

The installation should be undertaken in accordance with BS6739 - British Standard Code of practice for "Instrumentation in Process Control Systems: Installation Design and Practice."

All PTX transmitters are designed to withstand conditions normally found in process applications, however for maximum life and ease of maintenance the following guidelines should be observed.

- 1) Prior to installation, ensure the pressure source is not under pressure.
- 2) Avoid installing the pressure sensor in close proximity to motors, pumps, valves and heat sources. Excessive vibration or pressure peaks may falsify the sensor readings or even damage the sensor.
- 3) In most cases, the equipment is shipped with a protective cap remove the cover and tighten the sensor assembly with a torque of 35 Nm.
- 4) Use screened vented cable (if required) with the screen connected to earth at one end only.
- 5) Maximum supply voltage should not exceed 33 VDC

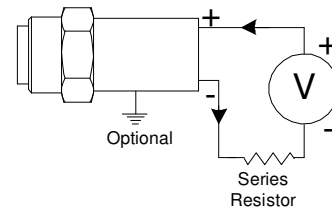
3.0 INITIAL COMMISSIONING

The instrument is supplied factory calibrated and requires no further adjustment for the majority of applications.

4.0 CALIBRATION

The unit can not be calibrated outside of the Factory – Please return for Re-Calibration.

5.0 WIRING DIAGRAM

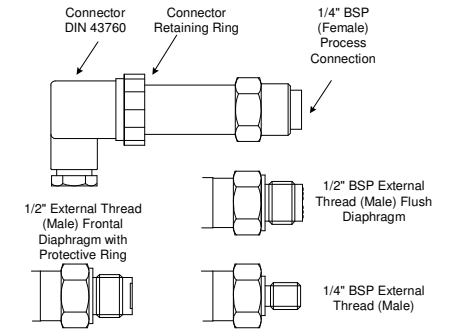


Supply Voltage (9 to 33) V DC
Atex Version (9 to 30) V DC

Load Resistance $RI = \frac{(V_{\text{supply}} - 9)}{0.02 \text{ A}}$

6.0 MECHANICAL / CONNECTION DETAIL

6.1 PTX19 - DIN Connection Detail



The PTX19 "Earth" is connected to the body of the transmitter. If the body is connected to earth, it is not necessary to connect this pin.

