T-VER-PXU-X Sensor

Differential Air Pressure Transducer Sensor

The T-VER-PXU-X is a differential air pressure transducer that utilizes a highly accurate and stable sensor, which is microprocessor profiled for improved accuracy and reliability. The stability, accuracy and ease of use characteristics of the PX models make them the ideal product for differential pressure monitoring applications. Also available with LCD readout model T-VER-PXU-L.

Requires analog port selection during U30 system configuration and use of a S-FS-CVIA when using the H22-001 data logger. When using a U12 data logger, this sensor requires an 0-5 Vdc analog input cable (CABLE-ADAP5) and external power provided by an AC adapter (AC-SENS-1).

Supported Measurements:

Differential Pressure

Key Advantages:

- User selectable units, uni- or bi-directional pressure ranges and analog output (mA or Vdc)
- Available with display (see model T-VER-PXU-L)
- Panel or duct mounting (probe included)
- High accuracy

T-VER-PXU-X Sensor Specifications

Measurement ranges: selectable uni- or bidirectional 0.1, 0.25, 0.5, 1.0, 2.5,5,10 "W.C.; (selectable also in Pascal units)
Accuracy: +/- 1% full scale of selected range
Sensor supply: 12 - 30VDC or 24 VAC., 35 mA
Medium: dry air, inert gas
Operating temperature range: 0 to 600C (32 to 1400F)
Humidity range: 10 - 90% non-condensing
Response time: (selectable) Fast, 2 sec; Standard, 20 sec
Output: (selectable) 4 - 20mA or 0 -5VDC or 0 - 10VDC
Dimensions: 4.5x3.3x2.2 in (114x84x55 mm) - probe length 8.75 in. (22.23 cm)
Weight: 7.2 oz
Display (L model only): signed 31/2 digit LCD
Case: UL 94 V-O fire retardent ABS
Proof pressure: 3 psid (20.6kPa)
Burst pressure: 5 psid (34.5kPa)
CE