



Series IT20XX

Intelligent Pressure Transducers



Description

Advancing technologies allow STI to provide more features along with much higher accuracies in our IT20XX Series “Smart” transducers. By combining the ruggedness and reliability of Bonded Foil Strain Gage Technology with our advanced, “state of the art”, digital circuit design, a highly flexible, accurate, and economical instrument is produced.

This allows the advanced operating systems of today the ability to maintain high degrees of quality and operation in a flexible and affordable manner, and, with economical sensors which can be easily configured. This, combined with our years of experience and “field use” data, allows for a variety of configurations and provides you, our customers, the “Application-Solutions” demanded.

The pressure transducer is corrected digitally providing a highly accurate unit. Temperature errors are corrected over its entire compensated temperature range virtually eliminating a major part of a transducer error variable while providing a very stable unit.

As standard, an RS-232 or RS-485 output can be provided for functional use as well as for set up and calibration. Calibration, Zeroing, Ranging and shunt for your unit is done thru your PC. Optionally, the units can provide highly accurate, digitally corrected, analog output.

Standard Features

- Ranges up to 30,000 PSI
- .05% accuracy
- RS-232 or RS-485 interface
- -40 to +185°F
- Stainless Steel Construction
- PC interface
- Temperature signal (digital)
- Multidropping Capability i.e. RS-485

Optional Features

- Analog Output: .05 to 4.95 Volts, 4-20 mA
- PC Interface Kits
- Temperature signal (analog)
- Customer Specified Connector
- Alternate Materials of Construction
- CANbus Interface
- 80% Shunt

