



USB OUTPUT PRESSURE TRANSDUCER

MODEL 611 / 612

FEATURES:

- USB 1.0 and 2.0 compatible output
- Ranges from 0 to 1 thru 100K PSI (6,895 BAR)
- Improved accuracy to $\pm 0.05\%$ FSO
- Field configurable
- Multi-drop compatible
- Added functionality with Digi-Stand™ software

APPLICATIONS:

- Portable test stands
- Laboratory research
- Hydrostatic test stands
- Calibration stands

PRODUCT OVERVIEW:

The Model 611/612 from GP:50 is a USB output pressure transducer. This model features an intuitive and user-friendly interface that allows for field configuration. For customer convenience, an easy-to-use data acquisition and analysis software is available and fully compatible with any Windows-based terminal program.



611 / 612

USB Output Pressure Transducer

FIELD OPTIONS:

- Adjustable response time (1 Hz to 500 Hz)
- Adjustable baud rate
- Adjustable station numbers
- Optional continuous output streaming
- Field re-zero function
- Digital shunt calibration
- Free downloadable Digi-Stand™ software

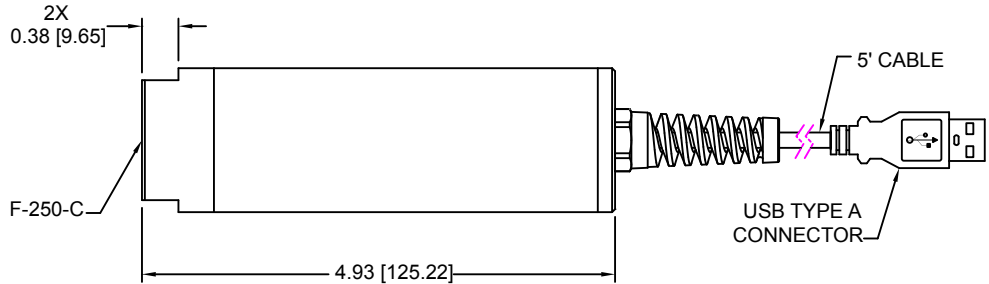
GP:50 MODEL 611 / 612

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

| WIRE | MODEL 611/612 |
|------|---------------|
| RED | VCC |
| WHT | USBDM |
| GRN | USBDP |
| BLK | CASE GND |
| SIL | SHIELD |



REFERENCE SPECIFICATIONS

| | |
|---|---|
| <p>ELECTRICAL</p> <ul style="list-style-type: none"> • Excitation voltage: 4.5 to 5.25 Vdc (from USB port) • Output: Pressure and temperature • Current draw: 70 mA • Resolution: 18 Bit USB 2.0 and below compatible • Internal Measuring Rate: 4.8 KHz • Response time: 10 Hz standard (Field adjustable to 500 Hz) <p>• Connection: USB Output</p> | <p>MECHANICAL</p> <ul style="list-style-type: none"> • Standard Process Connection: (Model 611) 1/4" NPT (F) (Model 612) Autoclave Type (High Pressure Cone) • Electrical Connection: Standard 5 ft. (1.5 M) USB Type A connector (15 ft. (4.6 m) max.) Type B connector available • Proof Pressure: 2X FSO or 22.5K PSI (1,551 BAR), whichever is less (Higher options available) • Burst Pressure: 5X FSO or 23K PSI (1,586 BAR), whichever is less, Vacuum 5X FSO in gauge pressure • Approximate Weight: 10 oz. (0.3 kg) nominal (options may increase weight) |
| <p>MATERIALS OF CONSTRUCTION</p> <ul style="list-style-type: none"> • Wetted Parts: (0 to 100 thru 0 to 60K PSIG) (7 thru 4,137 BAR) 316 & 17-4 PH stainless steel (0 to 61K thru 0 to 150K PSIG) (4,206 thru 10,342 BAR) Vascomax 300 • Housing: 316 stainless steel | <p>PRESSURE RANGES</p> <ul style="list-style-type: none"> • (Model 611) 0 to 1 thru 0 to 15K PSIG (0-0.069 thru 0-1,034 BAR) • (Model 612) 0 to 20k thru 0 to 100K PSIG (0-1,379 thru 0-6,895 BAR) |
| <p>STATIC ACCURACY (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)</p> <ul style="list-style-type: none"> • Standard: +/-0.5% FSO BFSL Improved options: Ranges 0-1 thru 0-40K PSI: +/-0.25%, +/-0.15%, and +/-0.05% FSO Ranges 0-50K thru 0-100K PSI: +/-0.25%, +/-0.15% FSO • Zero Balance: +/-0.15% FSO • Span: +/-0.15% FSO | <p>THERMAL SPECIFICATIONS</p> <ul style="list-style-type: none"> • ±1.0 % FSO shift from 0 °F to +185 °F (-17 °C to +85 °C) • Improved thermal compensation: ±0.25% FSO/100 °F |
| | <p>FORMATS</p> <p>Absolute, Gauge, Sealed Gauge, Vacuum (Special option- Differential Pressure)</p> |

**Standard configurations shown.
Please consult factory for other options.**

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

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