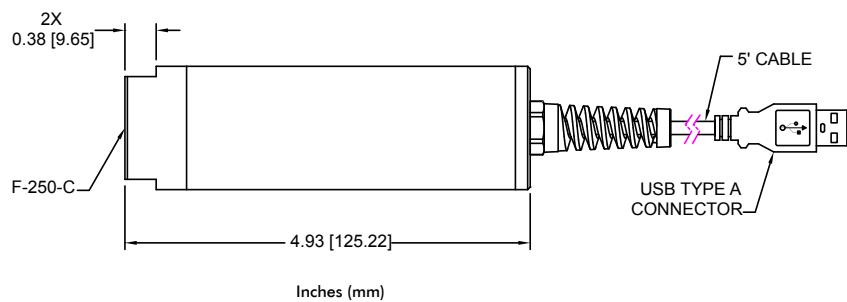


## MODEL 611 / 612

### USB OUTPUT PRESSURE TRANSDUCER



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



REF DIMENSIONS ONLY.  
CONSULT FACTORY FOR ACTUAL DIMENSIONS.

#### 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.

#### 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

#### OPTIONS:

- Adjustable response time (1 Hz to 100 Hz)
- Adjustable baud rate
- Adjustable station numbers
- Optional continuous output streaming
- Field re-zero function
- Digital shunt calibration
- Free downloadable Digi-Stand™ software

[Click Here](#) to download the Free Digi-Stand™ software from the Customer Tools page on our website.

# GP:50 MODEL 611 / 612

## REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

INDUSTRIAL

| ELECTRICAL               |  |
|--------------------------|--|
| Output Signal:           | ASCII Protocol 18 Bit USB 2.0 and below compatible |
| Current Draw:            | 70 mA  |
| Internal Measuring Rate: | 4.8 KHz  |
| Temperature Output:      | ASCII Protocol 18 Bit USB 2.0 and below compatible |
| Excitation Voltage:      | 4.5 to 5.25 Vdc (from USB port)                    |
| Circuit Protection:      | N/A  |
| Response Time:           | 10 Hz standard (Field adjustable to 100 Hz)        |

| MECHANICAL             |   |
|------------------------|---|
| Process Connection:    | (Model 611) 1/4" NPT (F)<br>(Model 612) 0-20K thru 0-60K PSI<br>AE F250C<br>(Model 612) 0-61K thru 0-100K PSI<br>EA F312C150      |
| Electrical Connection: | Standard 5 ft. (1.5M) USB Type A connector 15 ft. (4.6 m) max.  |
| Proof Pressure:        | (Model 611) 2X FSO or 22.5K PSI (1,551 BAR), whichever is less<br>(Model 612) 1.2X FSO or 120K PSI (8,274 BAR), whichever is less |
| Burst Pressure:        | (Model 611) 5X FSO or 23K PSI (1,586 BAR), whichever is less<br>(Model 612) 2X FSO or 120K PSI (8,274 BAR), whichever is less     |
| Approximate Weight:    | 10 oz. (0.3 kg) nominal<br>(options may increase weight)  |

| MATERIALS OF CONSTRUCTION |   |
|---------------------------|---|
| Wetted Parts:             | (0 to 1 thru 0 to 1000 PSI (69 mBAR to 138 BAR)<br>316 SST<br>1000 to 60K PSI (173 BAR to 4,137 BAR)<br>17-4 PH SST<br>61K thru 0 to 150K PSI (4,206 thru 10,342 BAR)<br>Vascomax 300 |
| Housing:                  | 316 stainless steel   |
| Internal Fill:            | ≤1000 PSI Fomblin Oil fill (May contain Silicone oil fill)  |

| PRESSURE RANGES  |  |
|--|--|
| (Model 611) 0 to 1 thru 0 to 15K PSIG<br>(0-0.069 thru 0-1,034 BAR)    |  |
| (Model 612) 0 to 20K thru 0 to 100K PSIG<br>(0-1,379 thru 0-6,895 BAR) |  |

| ACCURACY (BFSL): Non-Linearity @ +70 °F |   |
|---|---|
| Standard:                               | ±0.5% FSO BFSL  |
| Improved:                               | Ranges 0-1 thru 0-40K PSI: ±0.25%,<br>±0.15%, or and ±0.05% FSO<br>Ranges 0-50K thru 0-100K PSI: ±0.25%, or<br>±0.15% FSO |
| Zero & Span Balance:                    | ±0.25% FSO  |

| *FORMATS  |                                      |
|---|--------------------------------------|
| Absolute, Gauge, Sealed Gauge, Vacuum<br>(Special option - Differential Pressure) |                                      |
| THERMAL SPECIFICATIONS  |                                      |
| Operating Range:  | -40 °F to +185 °F                    |
| Thermal Compensation:   | ±2.0% FSO/100 °F<br>(±1.0% improved) |
| Compensated Range:  | 0 °F to ±180 °F                      |
| Storage Ambient:  | -65 °F to 250 °F                     |
| Effect on Zero/Span:  | ±1.0% FSO/100 °F                     |

