

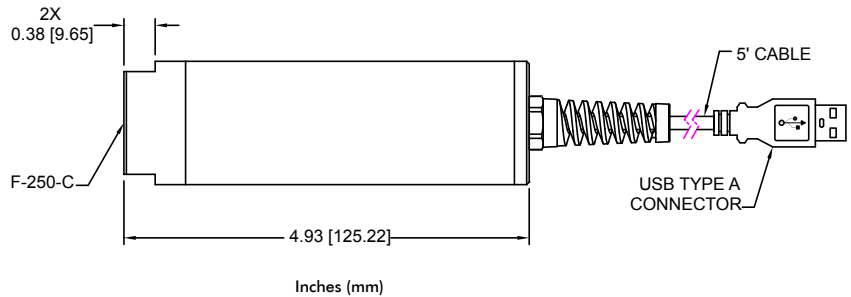
## MODEL 611 / 612

### 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

# GP:50 MODEL 611 / 612

## REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

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)

MATERIALS OF CONSTRUCTION	
Wetted Parts:	(0 to 1 thru 0 to 2000 PSI (69 mBAR to 138 BAR) 316 SST 2,500 to 60K PSI (173 BAR to 4,137 BAR) 17-4 PH SST 61K thru 0 to 150K PSI (4,206 thru 10,342 BAR) Vascomax 300
Housing:	316 stainless steel
Internal Fill:	≤2000 PSI Silicone Oil fill (Other fill available)

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

MECHANICAL	
Process Connection:	(Model 611) ¼" NPT (F) Model 612) 0-20K thru 0-60K PSI AE F250C (Model 612) 0-61K thru 0-100K PSI 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 (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 (Model 612) 2X FSO or 120K PSI (8,274 BAR), whichever is less
Approximate Weight:	10 oz. (0.3 kg) nominal (options may increase weight)

PRESSURE RANGES	
(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)	

*FORMATS	
Absolute, Gauge, Sealed Gauge, Vacuum (Special option - Differential Pressure)	

THERMAL SPECIFICATIONS	
Operating Range:	-40 °F to +185 °F
Thermal Compensation:	±2.0% FSO/100 °F (±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

