



## USB OUTPUT PRESSURE TRANSDUCER

### MODEL 611 / 612



611 / 612

USB Output Pressure Transducer

#### 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.

#### FIELD OPTIONS:

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



U.K. Distributor: Interface Force Measurements Ltd

Tel: 01344 776666 Fax: 01344 774765 Email: [info@gp50.co.uk](mailto:info@gp50.co.uk) Web: [www.gp50.co.uk](http://www.gp50.co.uk)

A5SL-010

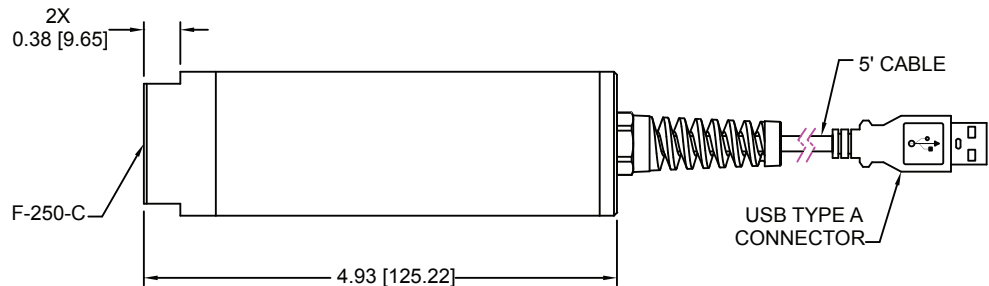
# GP:50 MODEL 611 / 612

## 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><b>ELECTRICAL</b></p> <ul style="list-style-type: none"> <li>• <b>Excitation voltage:</b> 4.5 to 5.25 Vdc (from USB port)</li> <li>• <b>Output signal:</b> Pressure and temperature (Includes mV sensor output)</li> <li>• <b>Current draw:</b> 70 mA</li> <li>• <b>Resolution:</b> 18 Bit USB 2.0 and below compatible</li> <li>• <b>Internal Measuring Rate:</b> 4.8 KHz</li> <li>• <b>Connection:</b> USB Output</li> </ul> <p><b>MATERIALS OF CONSTRUCTION</b></p> <ul style="list-style-type: none"> <li>• <b>Wetted Parts:</b> (0 to 100 thru 0 to 60K PSIG) (7 thru 4,137 BAR) 316 &amp; 17-4 PH stainless steel (0 to 61K thru 0 to 150K PSIG) (4,206 thru 10,342 BAR) Vascomax 300</li> <li>• <b>Housing:</b> 316 stainless steel</li> </ul> <p><b>STATIC ACCURACY</b> (HYSTERESIS, NON-LINEARITY &amp; REPEATABILITY @ +70 °F)</p> <p>±0.5 % FSO; ±0.2% FSO; ±0.1 % FSO; ±0.05 % FSO</p>	<p><b>MECHANICAL</b></p> <ul style="list-style-type: none"> <li>• Standard 5 ft. (1.5 M) USB Type A connector 15 ft. (4.6 m) max. Type B connector available (Refer to applicable Model 311 &amp; 312 series datasheet)</li> </ul> <p><b>PRESSURE RANGES</b></p> <ul style="list-style-type: none"> <li>• (Model 611) 0 to 100 thru 0 to 15K PSIG (7 thru 1,034 BAR)</li> <li>• (Model 612) 0 to 15 thru 0 to 150K PSIG (1 thru 10,342 BAR)</li> </ul> <p><b>THERMAL SPECIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• ±1.0 % FSO shift from 32 °F to +185 °F (0 °C to +85 °C)</li> <li>• Improved thermal compensation: ±0.25% FSO/100 °F</li> </ul> <p><b>FORMATS</b></p> <p>* Absolute, Gauge, Sealed Gauge, Vacuum</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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.

U.K.Distributor: Interface Force Measurements Ltd , Unit 19, Wellington Business Pk, Crowthorne, Berks

Tel: 01344 776666 Fax: 01344 774765 Email: info@interface.uk.com Web: www.gp50.co.uk

