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 ±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 100 Hz)
- Adjustable baud rate
- Adjustable station numbers
- Optional continuous output streaming
- Field re-zero function
- Digital shunt calibration
- Free downloadable Digi-Stand™ software
**REFERENCE SPECIFICATIONS**

**ELECTRICAL**
- **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 100 Hz)
- **Connection:** USB Output

**MATERIALS OF CONSTRUCTION**
- **Wetted Parts:**
  - (0 to 100 thru 0 to 60K PSI) (7 thru 4,137 BAR): 316 & 17-4 PH stainless steel
  - (0 to 61K thru 0 to 150K PSI) (4,206 thru 10,342 BAR): Vascomax 300
- **Housing:** 316 stainless steel

**STATIC ACCURACY**
- **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

**MECHANICAL**
- **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:**
  - (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 PSI
  - 0-0.069 thru 0-1,034 BAR
- **(Model 612)**
  - 0 to 20k thru 0 to 100K PSI
  - 0-1,379 thru 0-6,895 BAR

**THERMAL SPECIFICATIONS**
- **±1.0 % FSO shift from 0 °F to +185 °F (-17 °C to +85 °C)
- Improved thermal compensation: ±0.25% FSO/100 °F**

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

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