**Differential Pressure Transmitters**

The Series 616D Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The 616D housing is specifically designed to mount on a 35 mm DIN rail in a panel. This mounting style allows for several units to be mounted closely together reducing required space. A wide range of models are available factory calibrated to specific ranges as listed in the chart below. The span and zero controls are for use when checking calibration. They are not intended for re-ranging to a significantly different span. Versatile circuit design enables operation in 2-wire current loops.

**Model**

- **616D-1**: 0-3 in w.c.
- **616D-2**: 0-6 in w.c.
- **616D-3**: 0-10 in w.c.
- **616D-4**: 0-20 in w.c.
- **616D-5**: 0-40 in w.c.
- **616D-6**: 0-100 in w.c.
- **616D-7**: 0-200 in w.c.
- **616D-8**: 0-10 psid
- **616D-9**: 0-20 psid

**Range**

- **0-20 psid**
- **0-10 psid**
- **0-200 in wc**
- **0-10 in wc**
- **0-3 in wc**
- **5.08 mm wc**
- **12.70 mm wc**
- **3.65 mBar**
- **127-0 mBar**
- **76.2 mBar**
- **50.8 mBar**
- **249 mBar**
- **62.2 mBar**
- **124.3 mBar**
- **49.8 mBar**
- **31.75 mBar**
- **16.83 mBar**

**SPECIFICATIONS**

- **Service**: Air and non-combustible, compatible gases.
- **Wetted Materials**: Consult factory.
- **Accuracy**: ±0.25% F.S. at 70°F.
- **Stability**: ±1% F.S./yr.
- **Temperature Limits**: 20 to 120°F (-6.67 to 48.9°C).
- **Pressure Limits**: See chart.
- **Thermal Effect**: ±0.02% F.S.°F (0.0012% F.S.°C).
- **Power Requirements**: 10-35 VDC (2-wire).
- **Output Signal**: 4 to 20 mA.
- **Zero and Span Adjustments**: Potentiometers for zero and span.
- **Loop Resistance**: DC: 0-1250 ohms max.
- **Current Consumption**: DC: 38 mA max.
- **Electrical Connections**: Screw-type terminal block.
- **Process Connections**: 1/8" female NPT, Accessories included are 2 barbed fittings for 1/8" (3.12 mm) and 3/16" (4.77 mm) I.D. rubber or vinyl tubing.
- **Mounting Orientation**: Vertical, on a 1.375" (35 mm) DIN rail.
- **Weight**: 4.8 oz (136 g).

**Specifications for Series DM-2000**

The Dwyer Series DM-2000 Differential Pressure Transmitter senses the pressure of air and compatible gases and sends a standard 4-20 mA output signal. The DM-2000 housing is specifically designed to mount in the same diameter cutout as a standard Magnehelic® gage. A wide range of models are available factory calibrated to specific ranges. Pressure connections are inherent to the glass filled plastic molded housing making installation quick and easy. Digital push-button zero simplifies calibration over typical turn-potentiometers. An optional 3.5 digit LCD shows process and engineering units. A single push button allows field selection of 4 to 6 engineering units depending on range LCD models.

**Model**

- **DM-2001-LCD**: 0.100 in wc
- **DM-2002-LCD**: 0.250 in wc
- **DM-2003-LCD**: 0.500 in wc
- **DM-2004-LCD**: 1.000 in wc
- **DM-2005-LCD**: 2.000 in wc
- **DM-2006-LCD**: 3.000 in wc
- **DM-2007-LCD**: 5.000 in wc
- **DM-2012-LCD**: 0-250 in wc
- **DM-2013-LCD**: 0-500 in wc
- **DM-2019-LCD**: 0-250 in wc

**Range**

- **0-124.3 mBar**
- **0-249 mBar**
- **0-497 mBar**
- **0-622 mBar**
- **0-762 mBar**
- **0-1243 mBar**
- **0-2490 mBar**
- **0-4970 mBar**
- **0-6220 mBar**
- **0-7620 mBar**
- **0-12430 mBar**
- **0-24900 mBar**

**SPECIFICATIONS**

- **Service**: Air and non-combustible, compatible gases.
- **Wetted Materials**: Consult factory.
- **Accuracy**: ±1% F.S. at 70°F.
- **Stability**: ±1% F.S./yr.
- **Temperature Limits**: 20 to 120°F (-6.67 to 48.9°C).
- **Pressure Limits**: 10 psig (0.69 bar).
- **Thermal Effect**: ±0.055% F.S./°F (0.009% F.S./°C).
- **Power Requirements**: 10-35 VDC (2-wire).
- **Output Signal**: 4 to 20 mA.
- **Zero and Span Adjustments**: Digital push-button zero and span.
- **Loop Resistance**: DC: 0-1250 ohms max.
- **Current Consumption**: DC: 38 mA max.
- **Electrical Connections**: Screw-type terminal block.
- **Process Connections**: 1/8” I.D. tubing.
- **Display**: 3.5 digit LCD, 0.7” height.
- **Mounting Orientation**: Vertical.
- **Weight**: 4.8 oz (136 g).

**ACCESSORIES**

- **A-299**: Surface Mounting Bracket
- **A-300**: Flat Flush Mounting Bracket
- **A-480**: Plastic Static Pressure Tip

*Note: Remove "LCD" from the model number if not needing the display.*