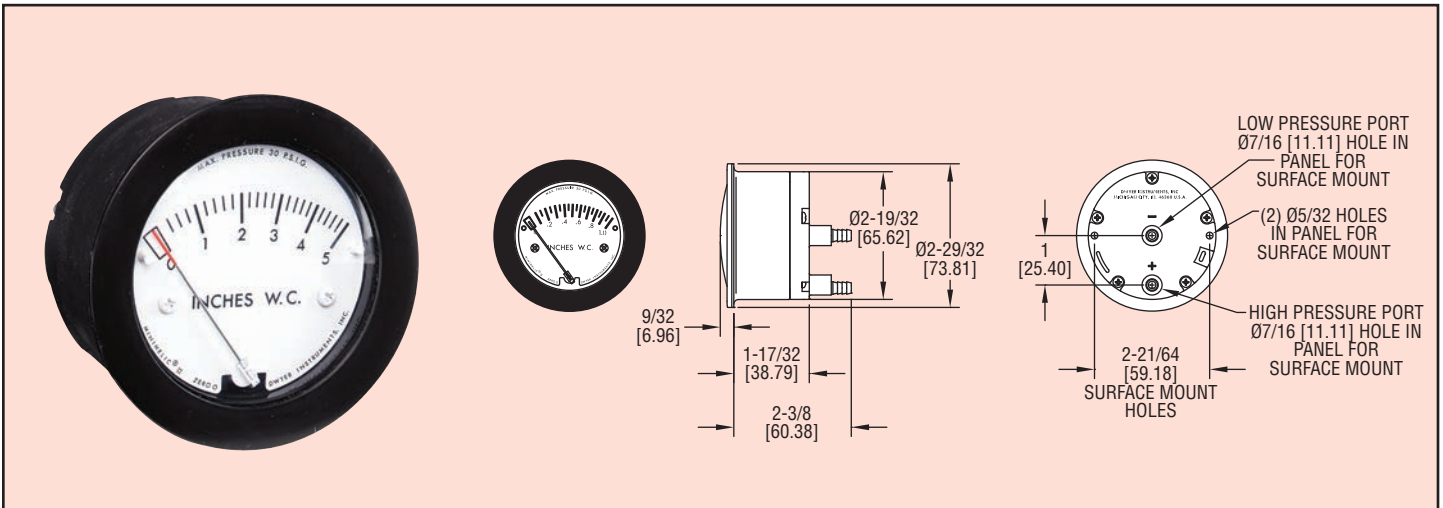




Series  
2-5000

# Minihelic® II Differential Pressure Gages

Combining High Accuracy, Compactness, Dependability, and Low Cost



Combining clean design, small size, and low cost with enough accuracy for all, but the most demanding applications our Minihelic® II gage offers the latest in design features for a dial type differential pressure gage. It is our most compact gage, but is easy to read and can safely operate at total pressures up to 30 psig. The Minihelic® II is designed for panel mounting in a single 2-5/8" diameter hole. Standard pressure connections are barbed fittings for 3/16" ID tubing; optional 1/8" male NPT connections are also available. Over-pressure protection is built into the Minihelic® II gage by means of a blow-out membrane molded in conjunction with the diaphragm. Accidental over-ranging up to the rated total pressure will not damage the gage. With removable lens and rear housing, the gage may be easily serviced at minimum cost.

With the housing molded from mineral and glass filled nylon and the lens molded from acrylic, the gage will withstand rough use and exposure as well as high total pressure. The 5% accuracy and low cost of the Minihelic® II gage make it well-suited for a wide variety of OEM and user applications. OEM applications include cabinet air purging, medical respiratory therapy equipment, air samplers, laminar flow hoods, and electronic air cooling systems. As an air filter gage, the Minihelic® II gage finds many end use applications on large stationary engines, compressors, ventilators, and air handling units. The Minihelic® II gage is suitable for many of the same applications as the Magnehelic® gage where the greater accuracy, sensitivity, and higher and lower differential pressure ranges of the Magnehelic® gage are not required.

## SPECIFICATIONS

**Service:** Air and compatible gases.

**Wetted Materials:** Consult factory.

**Housing:** Glass filled nylon; acrylic lens.

**Accuracy:** ±5% of FS at 70°F (21.1°C).

**Pressure Limits:** 30 psig (2.067 bar) continuous to either pressure connection.

**Temperature Limits:** 20 to 120°F (-6.67 to 48.9°C).

**Size:** 2-1/16" (52.39 mm) diameter dial face.

**Mounting Orientation:** Diaphragm in vertical position. Consult factory for other position orientations.

**Process Connections:** Barbed, for 3/16" ID tubing (standard); 1/8" male NPT (optional).

**Weight:** 6 oz (170.1 g).

**Agency Approvals:** RoHS.

**CAUTION:** For use only with air or compatible gases.

## PRESSURE CONNECTIONS



**A.** The standard Minihelic® II gage is supplied with two barbed pressure taps molded into the rear housing of the gage. These connections allow easy, fast connection to the gage using 3/16" ID rubber or plastic tubing.

**B.** For applications in systems having higher total operating pressures, optional male 1/8" NPT pressure connections can be supplied.

**Note:** The oblong over-pressure vent hole on the back of the gage at the right of the connections. This vent is sealed by a membrane molded in conjunction with the diaphragm and will blow out at approximately 75 psi.

