INTRINSICALLY SAFE HANDHELD DIGITAL MANOMETER

Ranges from 1 in w.c. to 150 psid, ±0.5% Accuracy

The Series 475 Intrinsically Safe Handheld Digital Manometer measures positive, negative, or differential pressures of air and natural gases in ranges from 1 in w.c. (0.249 kPa) to 150 psid (10.34 bar). The dual push pads on the front panel control the on/off, auto zero, and pressure unit selection, allowing for simple operation with no set up needed. When used with a Dwyer® Pitot tube (Φ), the Series 475 can also be used as an air velocity gage.

FEATURES/BENEFITS
- Rugged aluminum case protects instrument from damage during transport/use
- Large, easy to read LCD and simple operation
- FM approved to be intrinsically safe in hazardous locations, Class 1, Div 2, Groups A, B, C, D, T4 Ta = 70°C

APPLICATIONS
- Monitoring natural gas pressures on boilers and other combustion equipment
- Air velocity monitoring, when used with a Dwyer® Pitot tube (Φ) and AV calculator
- Field calibration of other instruments
- Monitoring or troubleshooting HVAC systems

SPECIFICATIONS
- Service: Air and compatible combustible gases.
- Wetted Materials: Consult factory.
- Accuracy: ±0.5% FS, 60 to 78°F (15.6 to 25.6°C); ±1.5% FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).
- Pressure Hysteresis: ±0.1% FS.
- Pressure Limits: See chart.
- Temperature Limits: 0 to 140°F (-17.8 to 60°C).
- Compensated Temperature Limits: 32 to 104°F (0 to 40°C).
- Display: 0.42˝ (10.6 mm) 4 digit LCD.
- Resolution: See chart.
- Power Requirements: 9 V alkaline battery, installed non-functional, user replaceable.
- Weight: 10.6 oz (306 g).
- Process Connections: Two barbed connections for use with 1/8˝ (3.18 mm) or 3/16˝ (4.76 mm) ID tubing. Two compression fittings for use with 1/8˝ (3.18 mm) ID x 1/4˝ (6.35 mm) OD tubing for 475-7 & 475-8 only.
- Agency Approvals: CE, FM approved to Class I, Div 2, Groups A, B, C, D, T4 Ta = 70°C.

ACCESSORIES
- A-402A Carrying case, tough gray nylon pouch protects any Series 475 manometer, double zipped for quick and easy access, belt loop that snaps closed, 7-1/2”H x 3”W x 2-1/4”D (191 x 76 x 57 mm)
- UHH-C1 Soft carrying case
- A-47X-BOOT Protective magnetic rubber boot

OPTIONS
- To order add suffix: Description Price
- AV Air velocity kit, includes the Series 475 manometer, two A-303 static pressure tips two 9” lengths 3/16” ID rubber tubing, no. 166-6-CF pitot tube, A-307 step drill, A-302 air velocity slide chart and instruction bulletin H-11, all packed in a tough, molded plastic carrying case with die cut foam liner.

Examples: 475-1-AV, $378.00; 475-000-AV, $449.00
- NIST NIST traceable calibration certificate

Examples: 475-1-NIST

- Items are net priced and are not subject to any discount.