The Dwyer® Series 475-FM Mark III Handheld Digital Manometer is ideal for field calibration, monitoring or trouble shooting HVAC systems, clean rooms, or a wide range of other low pressure pneumatic systems. This handy instrument 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 Series 475-FM is approved and is intrinsically safe for hazardous locations, Class I, Div. 1, Group A, B, C, D, T4. Its simple operation and easy to read digital display make it an indispensable test instrument for the plant engineer, industrial hygienist and HVAC technician. When used with a Dwyer® Pitot tube (see Flow and Air Velocity), the Series 475-FM Mark III can also be used as an air velocity gage. See the complete 475-1-FM-AV kit described below.

The Series 475-FM Mark III is housed in a durable extruded aluminum case with its solid state circuitry mounted on a tough fiberglass epoxy circuit board. To meet the most demanding applications and to provide stability of instrument reading, the 1 in w.c. range is compensated for position sensitivity through the use of a unique patented dual sensor system. Standard connections are dual sized for 1/8˝ or 3/16˝ ID vinyl or rubber tubing. Complete instructions are conveniently printed on rear of housing.

### FEATURES
- New low range option 0-1.000 in w.c.
- Measures positive, negative and differential pressures
- Rugged, extruded aluminum case
- Lightweight, fast and easy to use
- Selectable english/metric units
- FM approved

### 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% of full-scale.

**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).

**Storage Temperature Limits:** -4 to 176°F (-20 to 80°C).

**Display:** 0.42˝ (10.6 mm) 4 digit LCD.

**Resolution:** ±0.1% of full-scale.

**Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.

**Weight:** 10.8 oz (306 g).

**Connections:** Two barbed connections for use with 1/8˝ (3.18 mm) or 3/16˝ (4.76 mm) ID rubber tubing, no. 166-6-CF Pitot tube, A-397 step drill, A-532 air velocity slide chart and instruction bulletin H-11, all packed in a tough, molded plastic carrying case with die cut foam liner. To order, add AV suffix to any standard 475 model no.

**Agency Approvals:** CE, FM.

### OPTIONS
For NIST traceable calibration certificate, add suffix -NIST to model numbers.

Example: 475-1-FM-NIST .......................... $75.00

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

### ACCESSORIES
**A-402A CARRYING CASE** — Tough gray nylon pouch protects any Series 475 Manometer. Double zippered for quick and easy access. With belt loop that snaps closed.

7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm) .......................... $41.75

**UHH-C1,** Soft carrying case .......................... 39.00

See page 587 for process tubing options.