



## Series 475 Mark III Digital Manometer

### BATTERY INSTALLATION

Remove the two screws holding the bottom endcap and remove it. Connect the battery to the enclosed battery clip, observing the correct polarity.

When replacing the cover be sure the rubber sealing gasket is properly seated in the gasket channel of the endcap. Note the endcap will only fit one way. The holes are slightly offset to center. Replace the screws, **DO NOT OVERTIGHTEN.**

### LOW BATTERY INDICATOR

A weak battery can cause improper operation or inaccurate measurements. When "LOW BAT" indicator is illuminated replace the battery. Do not leave exhausted battery in the unit due to risk of leakage.

### 475-AV AIR VELOCITY KIT

Complete kits include a Series 475 manometer (standard ranges as shown on back of card), (2) No. A-303 static pressure tips, (2) nine ft. lengths of 3/16" I.D. rubber tubing, a Model 166-6-CF, 6" Pitot tube, No. A-397 step drill, No. A-532 air velocity slide chart and instructional bulletin H-11. All items are packed in a tough molded plastic carrying case with die cut foam liner.

- 475-000-FM
- 475-00-FM
- 475-0-FM
- 475-1-FM
- 475-2-FM
- 475-3-FM
- 475-4-FM
- 475-5-FM
- 475-6-FM
- 475-7-FM
- 475-8-FM

## SPECIFICATIONS:

Service: Air and compatible gases.

Wetted Materials: Consult Factory.

Accuracy:  $\pm 0.5\%$  F.S., 60 - 78°F (15.6 to 25.6°C); 1.5% F.S. from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).

Pressure Hysteresis:  $\pm 0.1\%$  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 (0-40°C)

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

Display: 4-digit LCD (.425 H x .234 W digits)

Power Requirements: 9 volt alkaline battery. Battery included but not connected.

Weight: 10.8 oz. (306 g).

Pressure Connections: Two barbed connections for use with 1/8" or 3/16" I.D. tubing. Two compression fittings for use with 1/8" I.D. x 1/4" O.D. tubing. (for 100 psi or higher pressure ranges)

Agency Approvals: FM, CE.

### MODEL/RANGE CHART

MODEL	PRESSURE RANGES	MAX. PRESSURE
475-000-FM	0-1.000 IN W.C. (0-.2491 kPa)	5 PSI (34.5 kPa)
475-00-FM	0-4.000 IN W.C. (0-0.996 kPa)	5 PSI (34.5 kPa)
475-0-FM	0-10.00 IN W.C. (0-2.491 kPa)	5 PSI (34.5 kPa)
475-1-FM	0-20.00 IN W.C. (0-4.982 kPa)	10 PSI (68.9 kPa)
475-2-FM	0-40.00 IN W.C. (0-9.96 kPa)	10 PSI (68.9 kPa)
475-3-FM	0-200.0 IN W.C. (0-49.82 kPa)	30 PSI (207 kPa)
475-4-FM	0-10.00 PSI (0-.6895 bar)	30 PSI (2.07 bar)
475-5-FM	0-20.00 PSI (0-1.379 bar)	60 PSI (4.14 bar)
475-6-FM	0-30.00 PSI (0-2.069 bar)	60 PSI (4.14 bar)
475-7-FM	0-100.0 PSI (0-6.895 bar)	150 PSI (10.3 bar)
475-8-FM	0-150.0 PSI (0-10.34 bar)	200 PSI (13.8 bar)

### OPERATING INSTRUCTIONS:

#### ON/OFF:

Press ON/OFF to turn the unit on. Press and hold ON/OFF for about 2 seconds to turn it off. Device will automatically shut off after 20 minutes if not in use.

#### ZERO:

Vent both pressure ports to atmosphere. Press ZERO button until the LCD displays "---" then release it. The LCD reads 0 if the zero offset is less than 10% of FS.

#### UNITS:

To change units, press both ON/OFF and ZERO buttons simultaneously.

#### BATTERY:

Remove retaining screws on end cap at base of instrument to replace battery when LOW BAT is displayed.

Use 9volt alkaline battery DURACELL MN 1604, EVEREADY 522, or equivalent.



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