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 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 the low bat indicator is illuminated replace the battery. Do not leave exhausted battery in the unit due to the 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 3/16î I.D. rubber tubing, a Model 166-6-CF, 6î Pitot tube, No. A-397 step drill, No. A-532 air velocity slide chart and instruction 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

MADE IN U.S.A.

SPECIFICATIONS:

Service: Air and combustible, compatible gases.
Wetted Materials: Consult Factory.
Accuracy: +/-0.5% F.S., 60 to 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: +/-0.1% of full scale.
Pressure Limits: See chart.
Temperature Limits: 32 to 104°F (0 to 40°C).
Storage Temperature Limits: -4 to 176°F (-20 to 80°C).
Display: 0.5˝ liquid crystal. 3-1/2 digits.
Resolution: See chart.
Power Requirements: 9 volt alkaline battery (Up to 100 hours of operation). Battery not connected.
Weight: 10.8 oz. (306 g).
Connections: Two barbed connections for use with 1/8˝ (3.18 mm) or 3/16˝ (4.76mm) I.D. tubing. Two compression fittings for use with 1/8˝ (3.18 mm) I.D. x 3/16˝ (4.76 mm) O.D. tubing for 475-7-FM and 475-8-FM.
Agency Approvals: FM, CE.
Size: 6-9/16˝ H x 2-13/16˝ W x 29/32˝ D

MODEL	PRESSURE	MAX PRESSURE
475-000-FM	0-1.00 IN W.C. (0-.249 kPa)	10 IN W.C. (2.5 kPa)
475-00-FM	0-4.00 IN W.C. (0-.995 kPa)	5 PSIG (35 kPa)
475-0-FM	0-10.00 IN W.C. (0-2.49 kPa)	5 PSIG (35 kPa)
475-1-FM	0-19.99 IN W.C. (0-4.97 kPa)	10 PSIG (68.9 kPa)
475-2-FM	0-40.0 IN W.C. (0-9.95 kPa)	10 PSIG (68.9 kPa)
475-3-FM	0-199.9 IN W.C. (0-49.7 kPa)	30 PSIG (207 kPa)
475-4-FM	0-10 PSID (0-.689 bar)	30 PSIG (207 kPa)
475-5-FM	0-19.99 PSID (0-1.378 bar)	60 PSIG (4 bar)
475-6-FM	0-30.00 PSID (0-2.07 bar)	60 PSIG (4 bar)
475-7-FM	0-100 PSID (0-6.89 bar)	150 PSIG (10 bar)
475-8-FM	0-150 PSID (0-10.34 bar)	150 PSIG (10 bar)

OPERATING INSTRUCTIONS

On/Off Operation

Press the I/O key to switch the unit on and off.

Pressure unit selection

Press the E/M key to switch between english or metric units.

Zeroing pressure units

Potential inaccuracy due to temperature effects can be minimized by re-zeroing immediately before each use. To zero the display, vent both pressure ports to atmosphere. Adjust the knob on top until the display reads exactly zero.

Overpressure

Exceeding the range of the manometer will not damage it or affect calibration if the maximum pressure is not exceeded. Do not exceed the maximum rated pressure established for your specific manometer model. Doing so will cause permanent damage to the sensor and may rupture the housing and/or cause injury. The maximum pressure is shown on the rear label of the manometer and on these instructions.

DWYER INSTRUMENTS, INC.
102 HIGHWAY 212, MICHIGAN CITY, IN. 46360

PHONE: 219-879-8000
FAX: 219-872-9057
e-mail: info@dwyer-inst.com
http://www.dwyer-inst.com

CE

FM APPROVED

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