Series 475 Handheld Digital Manometer

Specifications - Installation and Operating Instructions

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 9 V alkaline battery DURACELL® MN 1604, Energizer® 522, or Energizer® EN22.

⚠ WARNING Enclosure parts are constructed of plastic. When cleaning the exterior use a damp cloth to avoid electrostatic sparking. Enclosure parts are constructed of aluminum. Enclosure must be protected from mechanical friction and impact with iron/steel to prevent ignition capable sparks.

SPECIFICATIONS

Service: Air and compatible 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 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).
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).
Process 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: CE.

MODEL CHART

Model	Pressure Range	Max. Pressure
475-000-FM	0 to 1.000 in w.c. (0 to .2491 kPa)	5 psi (34.5 kPa)
475-00-FM	0 to 4.000 in w.c. (0 to 0.996 kPa)	5 psi (34.5 kPa)
475-0-FM	0 to 10.00 in w.c. (0 to 2.491 kPa)	5 psi (34.5 kPa)
475-1-FM	0 to 20.00 in w.c. (0 to 4.982 kPa)	10 psi (68.9 kPa)
475-2-FM	0 to 40.00 in w.c. (0 to 9.96 kPa)	10 psi (68.9 kPa)
475-3-FM	0 to 200.0 in w.c. (0 to 49.82 kPa)	30 psi (207 kPa)
475-4-FM	0 to 10.00 psi (0 to .6895 bar)	30 psi (2.07 bar)
475-5-FM	0 to 20.00 psi (0 to 1.379 bar)	60 psi (4.14 bar)
475-6-FM	0 to 30.00 psi (0 to 2.069 bar)	60 psi (4.14 bar)
475-7-FM	0 to 100.0 psi (0 to 6.895 bar)	150 psi (10.3 bar)
475-8-FM	0 to 150.0 psi (0 to 10.34 bar)	200 psi (13.8 bar)

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