



# 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	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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