SERIES 475 MARK III
DIGITAL MANOMETER

BATTERY INSTALLATION
Remove the two screws holding the bottom endcap to the manometer. Remove the rubber endcap, observing correct polarity. When replacing the cover over the rubber sealing gasket is properly seated in the gasket channel of the endcap, hold the endcap in 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 battery indicator is illuminated replace the battery. Do not remove battery while the display is on. Use only the 9 volt alkaline battery.

475-A V AIR VELOCITY KIT
Complete kit includes a Series 475 manometer, plastic replacement kit as shown on back of each, (1) No. A-220 plastic pressure line (2.0 in. O.D., length of 2.0 in. O.D., pressure line) a Model 166-6- CF, 6 in. Pitot tube, No. A-532 air velocity slide die cut foam liner. Complete kits include a Series 475 manometer model. 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.

OPERATING INSTRUCTIONS
On/Off Operation
Press the I/O key to switch the unit on and off.

Press the E/M key to switch between English or metric units. Pressure unit selection

Potential inaccuracy of ±1% F.S. can be minimized by re-zeroing immediately before each use. To zero the display, press both pressure ports to atmospheres. Adjust the knobs on top until the display reads exactly zero.

Zeroing pressure units

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.

DIGITAL MANOMETER
SERIES 475 MARK III
MADE IN U.S.A.

*ZEROING THE DISPLAY

1. Re-zeroing immediately before each use.

2. To zero the display, press both pressure ports to atmospheres. Adjust the knobs on top until the display reads exactly zero.

SPECIFICATIONS:
Service: Air and non-corrosive compatible gases.
Temperature: -4 to 176 °F (-20 to 80 °C).
Resolution: ±1% of full scale.

Pressure Limits: See chart.
Storage Temperature Limits: 4 to 176 °F (20 to 80 °C).
Display: 0.5 ˝ liquid crystal. 3-1/2 digits.
Power Requirements: 9 volt alkaline battery (Up to 100 hours of operation. Battery not connected.
Weight: 1.0 oz. (28 g).
Connections: Two threaded connections for use with 1/8 ˝ (3.18 mm) I.D. tubing for 475-7 FM. (Make sure connections are tight).
Agency Approvals: II, CE.

Model
Pressure
Max Pressure
475-330-FM
3-30 in. W.C. (0-755 kPa)
10 in. W.C. (2.53 kPa)
475-450-FM
4-50 in. W.C. (0-1260 kPa)
5 in. W.C. (1.25 kPa)
475-250-FM
2-25 in. W.C. (0-620 kPa)
5 in. W.C. (1.25 kPa)
475-150-FM
1-15 in. W.C. (0-380 kPa)
5 in. W.C. (1.25 kPa)
475-75-FM
7-75 in. W.C. (0-190 kPa)
5 in. W.C. (1.25 kPa)
475-55-FM
5-55 in. W.C. (0-137 kPa)
5 in. W.C. (1.25 kPa)
475-35-FM
3-35 in. W.C. (0-86 kPa)
5 in. W.C. (1.25 kPa)
475-15-FM
1-15 in. W.C. (0-38 kPa)
5 in. W.C. (1.25 kPa)
475-5-FM
5-5 in. W.C. (0-13 kPa)
5 in. W.C. (1.25 kPa)

Zeroing the display, vent both pressure ports to atmospheres. Adjust the knobs on top until the display reads exactly zero.

Display unit selection

Press the E/M key to switch between English or metric units. Pressure unit selection

Zeroing pressure units

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.

DIGITAL MANOMETER
SERIES 475 MARK III
MADE IN U.S.A.

*ZEROING THE DISPLAY

1. Re-zeroing immediately before each use.

2. To zero the display, press both pressure ports to atmospheres. Adjust the knobs on top until the display reads exactly zero.

SPECIFICATIONS:
Service: Air and non-corrosive compatible gases.
Temperature: -4 to 176 °F (-20 to 80 °C).
Resolution: ±1% of full scale.

Pressure Limits: See chart.
Storage Temperature Limits: 4 to 176 °F (20 to 80 °C).
Display: 0.5 ˝ liquid crystal. 3-1/2 digits.
Power Requirements: 9 volt alkaline battery (Up to 100 hours of operation. Battery not connected.
Weight: 1.0 oz. (28 g).
Connections: Two threaded connections for use with 1/8 ˝ (3.18 mm) I.D. tubing for 475-7 FM. (Make sure connections are tight).
Agency Approvals: II, CE.

Model
Pressure
Max Pressure
475-330-FM
3-30 in. W.C. (0-755 kPa)
10 in. W.C. (2.53 kPa)
475-450-FM
4-50 in. W.C. (0-1260 kPa)
5 in. W.C. (1.25 kPa)
475-250-FM
2-25 in. W.C. (0-620 kPa)
5 in. W.C. (1.25 kPa)
475-150-FM
1-15 in. W.C. (0-380 kPa)
5 in. W.C. (1.25 kPa)
475-75-FM
7-75 in. W.C. (0-190 kPa)
5 in. W.C. (1.25 kPa)
475-55-FM
5-55 in. W.C. (0-137 kPa)
5 in. W.C. (1.25 kPa)
475-35-FM
3-35 in. W.C. (0-86 kPa)
5 in. W.C. (1.25 kPa)
475-15-FM
1-15 in. W.C. (0-38 kPa)
5 in. W.C. (1.25 kPa)
475-5-FM
5-5 in. W.C. (0-13 kPa)
5 in. W.C. (1.25 kPa)

Zeroing the display, vent both pressure ports to atmospheres. Adjust the knobs on top until the display reads exactly zero.

Display unit selection

Press the E/M key to switch between English or metric units. Pressure unit selection

Zeroing pressure units

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.

DIGITAL MANOMETER
SERIES 475 MARK III
MADE IN U.S.A.
BATTERY INSTALLATION

Remove the two screws holding the battery endcap. Insert the battery as shown in the enclosed battery clip, observing correct polarity. When replacing the cover, make sure the rubber sealing gasket is properly seated in the gasket channel of the endcap. Hold the endcap in only 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 battery indicator is illuminated replace the battery. Do not attempt to repair. Batteries are not serviceable, dispose of old batteries properly.

475-00-FM

Complete kits include a Series 475 manometer, standard ranges as shown on the rear label of the manometer model. The maximum pressure is shown on the rear label of the manometer and on these instructions.

OPERATING INSTRUCTIONS

On/Off Operation

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

Press the E/M key to switch between English or metric units. Pounds per square inch (psi) or kilopascal (kPa) is selected.

Potential inaccuracy due to temperature effects can be minimized by re-centering 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.

Zeroing pressure units

Model 475-00-FM. To zero the display, press the I/O key to switch the unit on, then press the E/M key repeatedly until the resolution display is shown. Re-center the display. Press the I/O key to switch the unit off.

Exceeding the range of a manometer can cause permanent damage to it or affect calibration. If the maximum pressure is not exceeded, do not exceed the maximum rated pressure established by 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.