

Series  
478A

# Digital Differential Manometer

Selectable Engineering Units, Min/Max,  $\pm 1.5\%$  Accuracy



- Economically Priced.
- Multi-Functioning: Positive, Negative, or Differential Measurement.
- Instant Selection from up to Nine English/Metric Units
- Min/Max, Hold and Zero Functions.
- Extruded Aluminum Case.

**Quickly verify** filter condition, monitor cleanrooms, troubleshoot HVAC systems, or perform field calibrations with the Series 478A Digital Differential Manometer. The Series 478A is an indispensable tool for the HVAC technician, plant engineer, or industrial hygienist. The electronics are housed in a rugged extruded aluminum case to provide long life and exceptional durability.

The manometer can be used to measure positive, negative, or differential pressures. The unit features selectable units, auto zero, hold, and a Min/Max function. Press the Hold key to freeze the current pressure measurement on the display. The 478A manometer includes a zeroing button to null out any minor pressure differences.

The Series 478A Digital Differential Manometer includes a quick start reference guide and a 9V battery.

**478A-0** Digital Differential Manometer, -4-0-4" w.c.

**478A-1** Digital Differential Manometer, -60-0-60" w.c.



## SPECIFICATIONS

**Service:** Air and compatible gases.

**Wetted Materials:** Consult factory.

**Accuracy:**  $\pm 1.5\%$  F.S. at 72°F (22.2°C). Includes linearity & repeatability.

**Pressure Hysteresis:**  $\pm 0.1\%$  of full scale.

**Pressure Limits:** 5 psig (.34 bar).

**Temperature Limits:** 0 to 140°F (-17.8 to 60°C).

**Compensated Temperature Limits:** 32 to 104°F (0 to 40°C).

**Thermal Effect:** 0.05% F.S./°F.

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

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

**Process Connections:** Two barbed connections for use with 3/16" or 1/4" I.D. tubing.

**Weight:** 10.8 oz (306 g).

**Agency Approvals:** CE.

**A-402A CARRYING CASE** — Tough gray nylon pouch protects any Series 478A-0 Manometer. Double zippered for quick and easy access. With belt loop that snaps closed.

7½"H x 3"W x 2¼"D  
(191 x 76 x 57 mm)



## MODELS

Model Number	Range in w.c.	Available Pressure Units									Resolution in w.c.	Maximum Pressure
		bar	psi	in Hg	kPa	in w.c.	mm Hg	mbar	mm w.c.	Pa		
478A-0	-4.00 to 4.00	.1445	.294	0.996	4.00	7.47	9.96	101.6	996	0.01	5 psig	
478A-1	-60.0 to 60.0	.1495	2.168	4.41	14.95	60.0	112.1	149.5	1524	0.1	5 psig	