



Series  
476A  
&  
478A

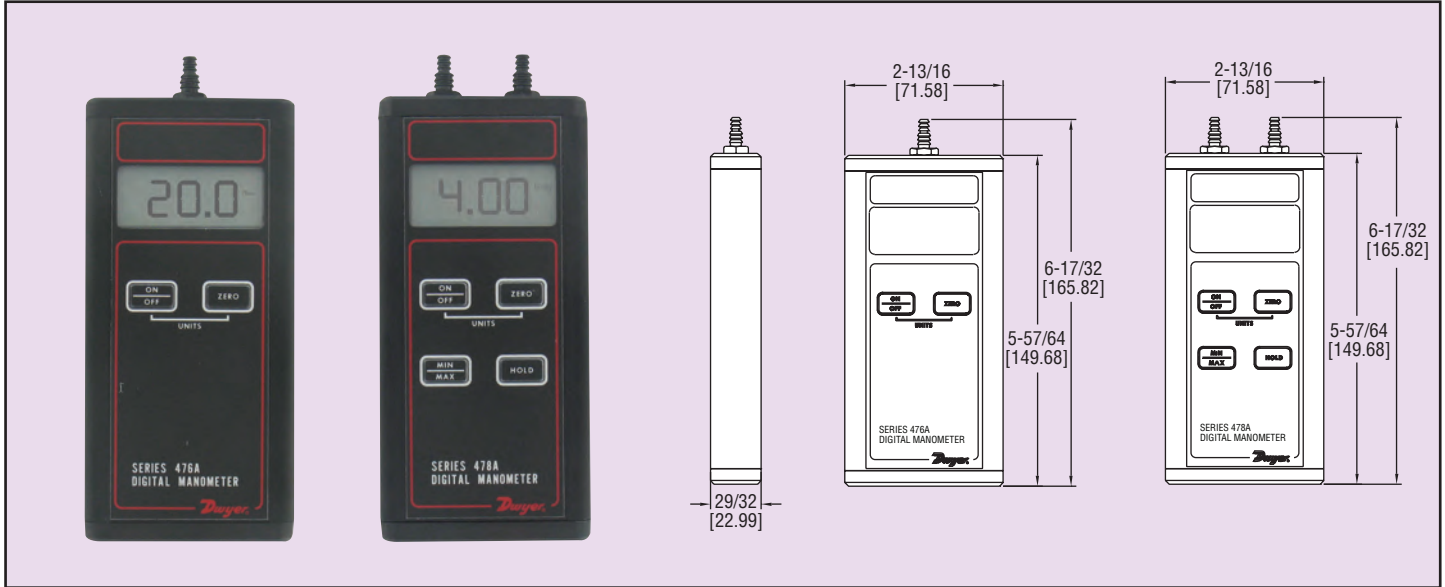
# Series 476A Single Pressure Digital Manometer & Series 478A Digital Manometer

Electronic Zeroing,  $\pm 1.5\%$  Accuracy



TEST EQUIPMENT

Manometers,  
Portable



**Ideal for field or laboratory use**, the Model 476A Single Pressure Digital Manometer measures low pressures from -20 to 20 in w.c. with  $\pm 1.5\%$  full scale accuracy. Designed especially for the HVAC contractor, the Model 476A can be used to set supply pressures, verify pressure switch operation, adjust regulators, check pneumatic systems and computer peripherals. The rugged, handheld unit is constructed with an extruded aluminum case for exceptional durability. The Series 478A 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.

## FEATURES

- One-button auto-zero function
- Auto power off.
- Large, easy-to-read display.
- Extruded aluminum case.
- Instant selection from up to eight english/metric units.

**Model 476A-0**, Digital Manometer, -20 to 20 in w.c.

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

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

## OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 478A-1-NIST.

## SPECIFICATIONS

**Service:** Air and compatible gases.

**Wetted Materials:** Consult factory.

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

**Pressure Hysteresis:**  $\pm 0.1\%$  of FS.

**Pressure Limits:** 5 psig (.74 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% FS/°F.

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

**Power Requirements:** 9 V alkaline battery, installed non-functional, user replaceable.

**Process Connections:** For use with 3/16" or 1/4" ID tubing.

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

**Agency Approvals:** CE.

## ACCESSORIES

**A-402A CARRYING CASE** — Tough gray nylon pouch protects any Series 476A/478A Manometer. Double zippered for quick and easy access. With belt loop that snaps closed.

7-1/2"H x 3"W x 2-1/4"D (191 x 76 x 57 mm)

**UHH-C1**, Soft carrying case

See page 567 for process tubing options.



Model	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.		
476A-0	-20.0 to 20.0	.0498	0.723	1.471	4.98	20.00	37.4	49.8	508	0.02	5 psig

Model	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	