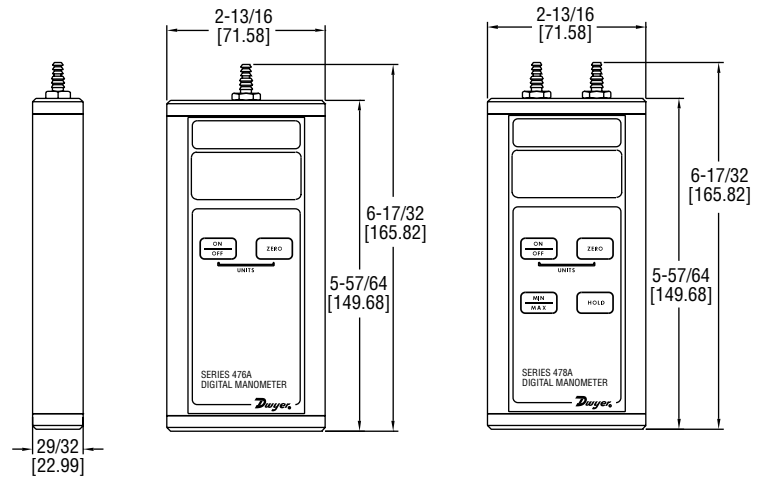


# SINGLE PRESSURE DIFFERENTIAL PRESSURE DIGITAL MANOMETERS

Electronic Zeroing,  $\pm 1.5\%$  Accuracy



The **SERIES 476A** Single Pressure Digital Manometer can be used to measure low pressures from -20 to 20 in w.c. with  $\pm 1.5\%$  FS accuracy. The **SERIES 478A** Differential Pressure Digital Manometer can be used to measure positive, negative, or differential pressures. Both units are constructed of an extruded aluminum case for exceptional durability.

#### FEATURES/BENEFITS

- $\pm 1.5\%$  FS accuracy
- Rugged extruded aluminum housing
- One button auto-zero function
- Auto power off function to conserve battery life
- Instant selection of up to nine English/metric units

#### APPLICATIONS

- Verify field instrumentation performance
- Adjust fuel mixture on combustion systems

#### 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:**  $\pm 0.1\%$  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.

#### MODEL CHART

| Model  | Range<br>in w.c. | Available Pressure Units |       |       |       |         |       |       |         | Resolution<br>in w.c. | Maximum<br>Pressure |        |
|--------|------------------|--------------------------|-------|-------|-------|---------|-------|-------|---------|-----------------------|---------------------|--------|
|        |                  | bar                      | psi   | in Hg | kPa   | in w.c. | mm Hg | mbar  | mm w.c. |                       |                     | Pa     |
| 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 |
| 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 |

#### OPTION

| To order add suffix: | Description                            |
|----------------------|--|
| -NIST                | NIST traceable calibration certificate |

Example: 478A-1-NIST

#### ACCESSORIES

| Model      | Description   |
|------------|---|
| A-402A     | Carrying case, tough gray nylon pouch protects any Series 476A/478A manometer, double zippered for quick and easy access, 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  |
| A-47X-BOOT | Protective magnetic rubber boot   |



A-402A



UHH-C1

A-47X-BOOT  
(Manometer not included)

Test Equipment  
Depot



1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431

Process Tubing Options: See page 443 (Gage Tubing Accessories)



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