

Dwyer[®]

**DIFFERENTIAL
PRESSURE**

**MODEL
478A**

MADE IN

THE U.S.A.

**ACCURACY
±1.5% FS**

**RUGGED
ALUMINUM
METAL
HOUSING**

**ONE-TOUCH™
CALIBRATION
TECHNOLOGY**

**MIN./MAX.
READING
RECALL**

MANOMETER

SPECIFICATIONS

Service: Air and compatible gases.

Wetted Materials: Consult factory.

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

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

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% 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: Two barbed connections for use with 3/16" or 1/4" ID tubing.

Weight: 10.8 oz (306 g).

Agency Approvals: CE.

*When subjected to electromagnetic interference, at 837 MHz (10 V/m) accuracy is 5.0% full scale.

MODEL CHART												
Model	Range in w.c.	Available Pressure Units									Resolution in w.c.	Max. 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

OPERATING INSTRUCTIONS**ON/OFF:**

Press ON/OFF to toggle on and off. Press and hold ON/OFF for about 2 seconds to turn it off. Device will automatically shut off after 20 minutes if not used.

ZERO:

Vent both pressure ports to atmosphere. Press ZERO button until the LCD displays "---" then release it.

UNITS:

To change units, press both ON/OFF and ZERO buttons simultaneously.

HOLD READING:

Press HOLD to hold current reading. Press again to resume measurement.

MIN/MAX:

First button press displays MIN value. Second press displays MAX value. Third press returns to normal measurement. Reset MIN and MAX by pressing ON/OFF button when MIN or MAX is displayed.

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, Eveready® 522, or equivalent.

Duracell® is a registered trademark of The Gillette company.
Eveready® is a registered trademark of Eveready Battery Company, Inc.



DWYER INSTRUMENTS, INC. • MICHIGAN CITY, IN 46360
email: info@dwyermail.com • <http://www.dwyer-inst.com>

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