

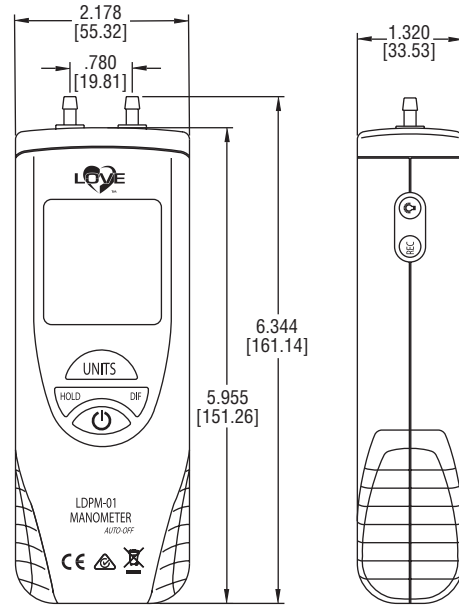


MODEL LDPM



# DIGITAL DIFFERENTIAL PRESSURE MANOMETER

## 11 Selectable Pressure Units, $\pm 3\%$ FS Accuracy



The **Model LDPM Digital Differential Pressure Manometer** is a versatile, handheld, battery operated manometer that can measure up to 55.4 in w.c. (140.6 cm w.c.). It is able to measure either positive, negative, or differential pressure with a  $\pm 0.3\%$  FS accuracy. Users can select from 11 common English and metric pressure units.

### FEATURES/BENEFITS

- Provided with carrying case and tubing for ease of use
- Able to store maximum, minimum, and average readings over a period of time
- Auto power off function to conserve battery life
- Instant selection of 11 common English and metric pressure units

### APPLICATIONS

- Field calibration of other instruments
- Monitoring or troubleshooting HVAC systems

### SPECIFICATIONS

**Service:** Air and non-combustible non-corrosive gases only.

**Wetted Materials:** Consult factory.

**Accuracy:**  $\pm 3\%$  FS.

**Repeatability:**  $\pm 0.2\%$  FS.

**Pressure Hysteresis:**  $\pm 0.29\%$  FS.

**Pressure Limits:** 10 psi.

**Response Time:** 0.5 s typ.

**Temperature Limits:** Operating: 32 to 122°F (0 to 50°C); Storage: 14 to 140°F (-1 to 60°C).

**Display:** Dual-line backlit LCD.

**Resolution:** See chart.

**Power Requirements:** 9 V alkaline battery, included, user replaceable.

**Weight:** 5.82 oz (165 g).

**Process Connections:** Two barbed connections for use with 1/8" (3.18 mm) or 3/16" (4.76 mm) ID tubing.

**Agency Approvals:** CE.

### MODEL CHART

Model	Description
LDPM-01	Digital differential pressure manometer, $\pm 55.40$ in w.c.

### OPTIONS

Use order code	Description
NISTCAL-MD	NIST traceable calibration certificate

### RANGE/RESOLUTION

Unit	Range	Resolution
in w.c.	$\pm 55.40$	0.01
ft w.c.	$\pm 4.612$	0.001
in Hg	$\pm 0.407$	0.001
psi	$\pm 2.00$	0.001
oz/in <sup>2</sup>	$\pm 32.00$	0.01
cm w.c.	$\pm 140.6$	0.1
mm Hg	$\pm 103.4$	0.1
bar	$\pm 0.137$	0.001
mbar	$\pm 137.8$	0.1
kPa	$\pm 13.79$	0.01
kg/cm <sup>2</sup>	$\pm 0.140$	0.001



**Includes:** Manometer, tubing, barbed fitting, 9V battery, and carrying case