



Differential Pressure Meter

DPM Series

Data Sheet



This image is for marketing purposes; the actual instrument may vary slightly

FEATURES

- 0.05 % Full scale accuracy
- 20 selectable pressure units
- Compact, lightweight & hand operated
- Air flow monitoring, when used with pitot tube
- Large, easy to read display with backlight for use in dark areas
- Readings with minimum and maximum
- 0 to 100% Progress Bar for the FS

DESCRIPTION

High precision differential pressure meter with various accuracy ranges available in pressure ranges from -1000 mmH2O to 1000 mmH2O with a wide choice of pressure ranges. DPM features 20 selectable pressure units, zero & Min/Max display functions. Ideal for calibration of gauges and differential pressure, suitable for accurate field testing and calibration of process pressure.



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Technical Specifications

| Range code | Range | Resolution | Units |
|------------|-------------|------------|---|
| 100 | ±100 mmH2O | 0.01 | bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH2O, inHg, inH2O, ftH2O, cmH2O, mbar, mmH2O, Pa, torr, hpa, kg/m ² , cmHg, lb/ft ² |
| 250 | ±250 mmH2O | 0.01 | |
| 500 | ±500 mmH2O | 0.01 | |
| 1000 | ±1000 mmH2O | 0.1 | |

Accuracy provided: upto 0.05% FS *(differs with ranges refer range code table)

Special Function: Min/Max/ZERO
Operating Temperature: 0 to 60°C
Pressure media: air

Pressure unit: bar, psi, Kg/cm², KPa, MPa, mmHg, atm, mH2O, inHg, inH2O, ftH2O, cmH2O, mbar, mmH2O, Pa, torr, hpa, kg/m², cmHg, lb/ft²

Pressure connections: 1/8 " BSP female for both High & Low
Storage temperature: -10 °C to 60°C

Display: 7 segment large LCD display

Backlight: white LED

Character height in display: 15mm height

Over pressure: 120%

Power supply: 6 X AAA size alkaline battery

Physical Dimension: 155 x 110 x 35 (LWD) in mm

Casing material: ABS Plastic

Battery backup: 200 hours

low battery indicator: Yes

Auto power OFF: 30 minutes

Progress Bar: 0 to 100%

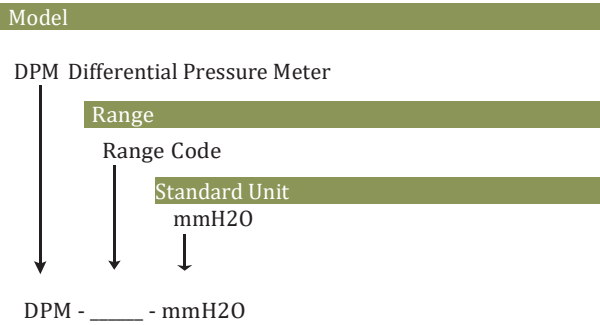
Warranty: 1 year (battery not included)

Instrument weight: 400gms

Safety Standards: IEC 61000-4-2: Testing and measurement techniques – Electrostatic discharge immunity test.
IEC 61000-4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test



Ordering Information



Pressure Range Code

| Range code | Range | Accuracy* |
|------------|----------------------|---------------|
| 100 | -100 to +100 mmH2O | ±0.075 % F. S |
| 250 | -250 to +250 mmH2O | ±0.075 % F. S |
| 500 | -500 to +500 mmH2O | ±0.075 % F. S |
| 1000 | -1000 to +1000 mmH2O | ±0.05 % F. S |

Note:

* - Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23±5°C

Recommended Pressure Source

Below models have been recommended by our R&D to enhance calibration accuracy and performance, and are being considered for inclusion.

1. Screw Pump

Check our website for more catalogues.

standard delivery

- Digital Indicator
- Rubber boot
- AAA alkaline batteries x 6nos
- Transit Carrying Pouch
- Warranty certificate
- User manual
- Traceable Calibration Certificate
- 4mm push fit to 1/8 BSP M-2 no's

CONTACT



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**Manufacturer of Test benches
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