M1004 Series
Digital Calibrator



M1004

Choose M1004 when you need a quick pressure check for clean, dry gas measurement

Digital Calibrator

Meriam M1004 is a single function, portable pressure instrument with flexible features to meet many of your everyday pressure measurement needs. The device features an easy and intuitive user interface with convenient pressure connections.

- A wide range of pressure sensors are available for a variety of applications
- Common features include damping to stabilize fluctuating pressure signals
- Units at or under 45 psi have Luer Lock Fittings installed
- Accessories: fitting kit, vacuum & pressure hand pumps, carrying case
- Device ships with calibration certificate traceable to NIST

Features on M1004

- Compact and easy to use
- Multiple pressure ranges
- Zero key and user adjustments for manual calibration
- Compound, Absolute, and Differential pressure sensors
- Protective blue boot

Applications

- Very low differential pressure measurement for ventilator instrument testing
- Sterilizer vacuum measurements
- Non-invasive blood pressure instruments
- Facilities testing (medical gases)
- Leak testing for low pressure gas systems
- Pressure drop monitoring across filters
- Monitoring vacuum on condensers and pumps
- CPAP and BIPAP testing

Specifications

Accuracy
- 0.025 % full scale
- 100 psi maximum pressure

Media
- Clean, dry, non-corrosive, gas media

Pressure ranges
- 0 to 15, 30, 100 psi Absolute non-Isolated
- -1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Differential Non-Isolated
- -1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Compound Non-Isolated

Measurement Units
- psi, mmHg, inH_2O, mbar, and more, including user defined units are available

Display Resolution
- 6 digits

Temperature Specifications
- Storage: –20 °C to 70 °C (–4 °F to 158 °F)
- Operating: –10 °C to 50 °C (14 °F to 122 °F)

Connections
- 1/8" Female NPT 316SS

Dimensions with boot:
- Length 9.8 in (248.9 mm) from manifold to end of boot. Width 5.2 in (132.1 mm) at widest point with boot. Thickness 2.3 in (58.4 mm).

Power
- 4 AA batteries

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