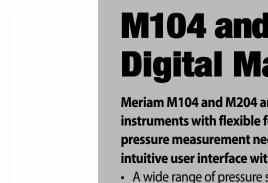


Digital

Manometer

process technologies

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M104

114

SMART

Manometer

Choose M104 when you need a quick pressure check for clean, dry gas measurement.

M204

Choose M204 when accuracy and media compatibility are your top concerns.

M104 and 204 Series Digital Manometers

Meriam M104 and M204 are single function, portable pressure instruments with flexible features to meet many of your everyday pressure measurement needs. Both devices feature an easy and intuitive user interface with convenient pressure connections.

- A wide range of pressure sensors is available for a variety of applications.
- Common features include damping to stabilize fluctuating pressure signals and data logging for easy measurement capture.
- Both devices ship with calibration certificates traceable to NIST.

Features on both M104 and M204

- Compact and easy to use.
- 25 optional pressure ranges including:
 - o 28 inches of water column (inH2O)
 - o 15 psi Absolute
 - o 260 mmHg
- 8 user selectable and 2 user defined pressure engineering units
- · Zero key and user adjustments for annual recalibration
- Gauge, absolute, and differential pressure sensors
- Differential pressure measurements as small as 0.0050 inches of water column
- Data logging
- Protective blue boot
- Optional pressure fitting and hand pump kit

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
- 316 SS compatible with most media
 - o Liquids
 - o Medical gases
 - o Pharmaceuticals
 - o Biological fluids



process technologies

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M104 SERIES

Digital Manometer

Accuracy:

Cost effective

- 0.25 % full scale
- 0.10 % full scale

Clean, dry, non-corrosive gas media

Pressure ranges for 0.25 and 0.10 accuracy

From 0 to:

- 15, 30, 50 psi Absolute (or 0775 mmHg, 1551 mmHg, 2585 mmHg Absolute)
- 28", 138", 416", 832", 2000" H2O
- 5, 15, 30, 50, 100 psi Gauge

Engineering Units:

inH2O at 20°C, mmH2O at 20°C, mmHg at 0°C, inHg at 0°C, kPa, mbar, bar, psi, and two user defined units

Display Resolution:

4 digits

Temperatur Specifications:

(General Purpose)

- Storage: -40°C to 60°C (-40°F to 140°F)
- Operating: -20°C to 50°C (14°F to 122°F)

Connections:

- 1/8" female NPT 316 SS
- All models have P1 and P2 ports
- GN and AN units have a sintered metal disc installed on the P2

Power:

3 AA batteries providing over 300 hours of continuous use

Certifications: CE



M204 SERIES

Smart Digital Manometer

Accuracy:

Essential

- 0.050 % full scale
- 0.025 % full scale

Media compatible with 316 SS

Pressure ranges for 0.025 and 0.050 accuracy

From 0 to:

- 17, 38, 100, 1000 psi Absolute
- WET-WET 1, 5, 15, 30, 100, 300, 500 psi Differential
- 28", 200", 415", 2000" H2O Differential

From -15 to:

15, 30, 50, 100, 300, 500, 1000, 3000 psi Gauge

Engineering Units:

inH2O (select 4°C or 20°C), psi, mmHg, inHg, mbar, bar, kPa, kg/cm2, cmH2O and two user defined units

Display Resolution:

5 digits

Temperature Specifications:

(General Purpose)

- Storage: -40°C to 60°C (-40°F to 140°F)
- Operating: –20°C to 50°C (14°F to 122°F)

Connections:

- 1/8" female NPT, 316 SS
- All models have P1 and P2 ports

Power:

4 AA batteries providing 100 hours of continuous use

Certifications: (E