



**meriam**<sup>®</sup>  
process technologies

A trusted leader in measurement  
& calibration solutions.

**meriam.com 1 (800) 817-7849**

## 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 (inH<sub>2</sub>O)
  - 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



### M104

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.





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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" H<sub>2</sub>O
- 5, 15, 30, 50, 100 psi Gauge

**Engineering Units:**

inH<sub>2</sub>O at 20°C, mmH<sub>2</sub>O at 20°C, mmHg at 0°C, inHg at 0°C,  
kPa, mbar, bar, psi, and two user defined units

**Display Resolution:**

4 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
- 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" H<sub>2</sub>O Differential

**From -15 to:**

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

**Engineering Units:**

inH<sub>2</sub>O (select 4°C or 20°C), psi, mmHg, inHg, mbar, bar, kPa,  
kg/cm<sup>2</sup>, cmH<sub>2</sub>O 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:** CE

