



M4 Series Precision Calibrator Data Logger

Meriam's M4 Series Handheld Precision Calibrator / Data Logger delivers an impressive array of features, functions and an impressive accuracy specification. The M400 includes one pressure sensor and one mA/V instrument. Choose from differential, gauge, compound or absolute pressure types and ranges from 10" H₂O to 3000 PSIG full scale.

Need two ranges for wider utility? The M402 can be configured with any two compound or absolute type sensors. A high level of Accuracy is achieved; $\pm 0.025\%$ of Full Scale and is maintained over operating temperatures from -20° to +50° C (-4° to +122° F). Data Logging is standard on all models. With its impressive accuracy and handheld convenience, the M4 Series Calibrator/Data Logger is used where accuracy is important; such as in medical device and pharmaceutical calibration and manufacturing

Accuracy

- Accuracy is $\pm 0.025\%$ of Full Scale
- Accuracy maintained over wide temperature range
- Wide range of pressure options

Data Logging Capabilities

- Log data to dedicated 4GB SD card and retrieve via USB port
- Free PC Application for creating standard .csv files



M1 Series Digital Manometer Calibrator

The M1 Series of handheld manometers combines form, fit and function to deliver precision pressure measurement for field, plant or lab use. For reference indication and shirt pocket convenience, select the low cost M100 Digital Manometer with its $\pm 0.25\%$ FS accuracy. Or specify the M101 Calibrator when better accuracy is needed for more exacting measurements. The M101 delivers $\pm 0.10\%$ FS accuracy and additional features normally found on higher priced instruments. Both models are available in absolute, differential and gauge pressure.

Accuracy

- Accuracy of $\pm 0.25\%$ Full Scale for M100
- Accuracy of $\pm 0.10\%$ Full Scale for M101
- No temperature effect over operating range 14° F to 122° F (-10° C to +50° C)



Averaging Pitot Tubes

Meriam manufactures the widest range of Averaging Pitot Tubes for gases, liquids and steam with bi-directional flow capability. Under the Accutube brand name there are four standard models; Inline, Insertion, Flanged and Wet Tap which can provide a flow solution for your toughest applications. To provide the complete flow solution that meets your specific needs, we can provide DP or Multivariable transmitters from the brand of your choice, or we will recommend the best fit for your application. These transmitters can be installed on the Accutube and configured to your specific flow requirements here at Meriam by qualified technicians, reducing your expense and time.



Ease of Use & Installation

- Perfect for gas, liquid, vapors and steam
- Bi-directional flow sensing
- 10:1 Turndown
- Flow straighteners available
- Low permanent head loss saves energy and cost
- Multiple tube design offers superior strength and clog resistance.
- Works with a variety of DP and Multivariable Transmitters
- Low Pressure and High Pressure models
- Custom materials for corrosive application



Orifice Plates and Flanges

Orifice plates are engineered for each application, and are precision bored to exact dimensions with a sharp upstream edge to ensure accuracy and longevity. Orifice information is stamped on the unique handle. This handle is designed to facilitate storage of the plate without damage to the orifice bore. Pair a Meriam orifice plate with an orifice flange to provide a convenient, accurate method for installing orifice plates.

Features

- Impressive Accuracy
- Proven Design
- Universal familiarity
- Relatively inexpensive
- Flexibility in designing a specific output