



MVIP Series MultiVariable Instrument Pack



Customizable Measurement Solution

Meriam's MultiVariable Instrument Pack (MVIP) allows you to create and design a measurement solution for your specialized needs.

Built on a foundation of measurements traceable to NIST, Meriam is able to combine a wide range of measurement instruments in a single enclosure.

- Choose from temperature, pressure, electrical, humidity, and flow instruments
- Combine sensors in any collection required
- USB host platform connectivity – other options available
- Use as a mobile technician tool
- Use as a fixed installation measurement platform

Measurement instruments

Pressure measurement

- Ranges from 0.3 psi to 3000 psi
- Absolute, Differential, Compound and Gauge
- Either Isolated or Non-Isolated
- Accuracy ranges from 0.010, 0.025 and 0.050 of full scale

Temperature measurement

- RTD, thermocouple, and other sensor technologies
- Accuracy Specification ± 0.3 °C total error band from -20 °C to 50 °C

Humidity

Electrical

- ± 50 V
- ± 100 mA
- Accuracy Specification $\pm (0.015$ % of reading + 0.002 % of full scale)
- Total error band from -20 °C to 50 °C

Differential pressure primary flow elements

- 0.005 L/min to 63700 L/min
- Accuracy Statement ± 0.8 % of reading 10 to 1 turn down ratio

Others available

Mobile or fixed installation

- We need copy here that talks about how the thing can be used as a mobile tool or a fixed install device (Like on a machine or for use as a long term data log)

Use cases

- Medical device technicians tool
- Integrated digital measurements platform
- Clean room monitoring
- Autoclave analyzing

Benefits

- Single multivariable instrument calibrator
- All the measurement tools you need in one enclosure
- High speed, real time parallel measurement capability
- Reliable and easy host platform connectivity
- Robust and field ready enclosure



Graphing App

MultiVariable Instrument Pack



Real-time logging

Technicians can monitor a data cycle in real time. With this data, they can quickly identify and repair equipment that does not perform according to specifications.

Reducing diagnosis and service time leads to more service calls per day. Ultimately, generating more revenue while adding to customer satisfaction.

Workflow automation

The MultiVariable Instrument Pack (MVIP) can be paired with an application that captures workflow to help guide you through the use of the tool. Critical measurements and task to complete can be scripted in order with automatic data capture and validation. Event and user information collected during the test help verify test quality.

Capture intermittent events

Technicians can leave the MVIP in place to capture intermittent system events in long term data logs. These logs help technicians evaluate multiple cycle runs throughout a sterilizer's daily workflow.

Features

- All digital measurement signal chain
- Premier measurement accuracy
- Real time graphing
- PC connectivity
- Work flow automation
- Remote system monitoring using cloud connectivity
- Analytics
- Event based monitoring and logging
- Usage reporting
- Measurement trending

Optional Features

- Do you have other requirements?
- Meriam can customize an MVIP solution to meet your needs!