

Calibration Instrument

SERIES CI-2001

PRESSURE AND FLOW CALIBRATION INSTRUMENT

- High or Low Flow Models
- Pressure or Vacuum
- Digital Display
- Embedded Micro-Computer
- Certificate of Calibration Traceable to NIST
- Point-of-Measurement Digital Conversion



The CI-2001 is a compact calibration device for air pressure and airflow transducers. It is quick and responsive and can accurately correct pressure and flow readings to current temperature conditions. The CI-2001 was designed to calibrate the line of leak test instruments that we provide and can also be used for other compatible air pressure and airflow transducers. Four (4) CI-2001 models are available: low flow pressure, low flow vacuum, high flow pressure, and high flow vacuum. Each CI-2001 comes complete with NIST traceable certification. The standard color for the CI-2001 is black/white.

SETUP & OPERATION

The CI 2001 operates on 110 or 240 volt, 50/60 Hz AC electrical power. A ¼" FNPT port on the side of the CI-2001 is used for pneumatic connection. The CI-2001 is manufactured to the pressure and flow specifications outlined below. The flow reading has an accuracy of $\pm 0.5\%$ of reading. The pressure reading has an accuracy of $\pm 0.3\%$ of reading. Flow adjustments are made through the use of the front mounted needle control valve.

INSTRUMENT RANGES

Version	Flow Range	Pressure Range
Low Flow Pressure	5-500 SCCM	0-100 PSIG
Low Flow Vacuum	5-500 SCCM	0-30 in Hg
High Flow Pressure	.2-20 SLPM	0-100 PSIG
High Flow Vacuum	.2-20 SLPM	0-30 in Hg

DIMENSIONS

Control Enclosure 5" high x 10" wide x 8" deep

WEIGHT

Control Enclosure 8 pounds

ENVIRONMENTAL CONDITIONS

Operating Temperature 35-130°F (2-55°C)
Storage Temperature 35-150°F (2-66°C)
Relative Humidity 0-95% Non-Condensing

POWER REQUIREMENTS

Input Power 105-125 VAC or 220-240 VAC
Frequency 50 or 60 Hz
Current 1 amp maximum

OPERATION

Manual 4 ½ digit digital display selectable for pressure or flow

PERFORMANCE

Version	Resolution	Accuracy	Repeatability
Low Flow	.1 SCCM	.5% of reading	.1% of reading
High Flow	.01 SLPM	.5% of reading	.1% of reading
Pressure	.1 PSIG	.3% of reading	.1% of reading
Vacuum	.01 in. Hg	.3% of reading	.1% of reading



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