

MASS FLOWMETER

Model F-4140



Features

- $\pm 2\%$ of reading for high accuracy
- 4 millisecond flow response
- 0.01-20 Std L/min flow range
- Low pressure drop
- Convenient analog output of flowrate
- Versatile digital output of flowrate, volume, pressure, temperature
- Built-in temperature and pressure compensation
- NIST-traceable calibration certificate included at no additional cost
- RS232 Interface for digital outputs and configurable device options
- Set analog output zero and scaling

Accuracy

A flowmeter specified as **± 2 percent of Full Scale** is most accurate at full scale. If full scale is 300 cc/min, then the uncertainty for all readings is ± 6 cc/min. The F-1440 is specified as **± 2 percent of Reading** and has an uncertainty of ± 2 percent of the actual reading from full scale all the way down to a specified lower limit. The F-1440, therefore, provides dependable accuracy over a wide range of flowrates. One F-1440 flowmeter covers the same range as three or more “percent of full scale” devices...with better accuracy at all points!

Fast Response

Fast 4-millisecond response ensures accuracy in fluctuating flows. Pressure and temperature measurements are also extremely fast.

Included Accessories

AC adapter, RS232 and analog interface cables, particulate filter, operator's manual, serial command set manual, and a NIST-traceable calibration certificate.



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