Mass Flow Meter

High-accuracy, multi-parameter flow measurement in real time

Accurate
Repeatable
Durable

The Fastest Flow Controller Company in the World!

M-5000SLPM
M-0.5SCCM for flows as low as 2.5 sülpm
Mass Flow Meters

Accurate in every situation! Monitor mixed gases in changing process conditions.

Making You Faster

- <10 ms speed of response.
- No warm-up required: ready to measure in one second.
- Stand-alone unit: use with or without a computer or PLC.
- All flow data visible on one screen (flow, pressure, temp).
- Digital and analog outputs.

Quick Specs

- Accuracy: 0.6% of reading on most flow instruments NIST-traceable.
- Linear range: 0.01-100% of full scale, for any range from 0-0.5 sccm to 0-5000 slpm.
- Lifetime warranty: unaffected by bumps, humidity or changes in orientation.

Tailored for You

MW Series

- Low Pressure Drop
Measure with minimal affect on pressure or volumetric flow rates and even faster fluidic response. Max range: 0-500 slpm.

MS Series

- Anti-Corrosive
Withstand corrosion caused by aggressive gases with durable 316L stainless steel.

MB Series

- Portable
Rechargeable battery provides 18 hours of operation for easy flow verification.

L Liquid Flows

Measure liquid flows with the fastest response time available in a liquid flow meter (20 ms). Available in ranges from 0-0.5 ccm to 0-10 lpm.

COMMON OPTIONS:

- Bidirectional Flow Calibration enables full-scale readings in both flow directions.
- Integrated Flow Totalizer provides cumulative readings of total quantity flowed over time.
- Backlit Color Display shines in low lighting.
- CSA Class 1 Div 2 (ATEX Zone 2) Classification permits operation in hazardous environments.
- Weatherproof, watertight enclosure (IP67) for operation in outdoor or dusty environments.
- Industrial communications: EtherNet/IP, DeviceNet, PROFIBUS, or Modbus

Sample Application

Faster Leak Testing

Accurately measure leak rates as low as 2.5 microliters per minute with repeatable results. With pressure precisely regulated at the device under test, an Alicat mass flow meter reveals device leak-through rates in real time.

See the video!