Portable Flow Calibrator

Laboratory-grade flow verification in 20 seconds

Get in
Validate
Get out

Accurate • Tough • Efficient
Reduces downtime and disruption to your process.

5 hours of use with color display
18 hours of use with monochrome display

The Fastest Flow Controller Company in the World!

alicat.com/portable
Portable Flow Calibrators

Nothing is faster! Calibrate in real time with multiple gases across wide flow ranges.

Making You Faster

- 5-ms speed of response.
- No warm-up required: ready to calibrate in one second.
- Stand-alone unit: no need for computer or external power.
- All flow data visible on one screen (flow, pressure, temp).
- Battery status indicator never leaves you without power.
- Digital and analog outputs.

Quick Specs

- Accuracy: 0.8% of the reading (0.4% optional) + 0.2% full-scale repeatability (NIST-traceable).
- Linear range: 0.5-100% of full scale (200:1).
- Battery: rechargeable Li-ion (1880 mAh).
- Charging options: any USB power source via included cable and AC adapter; 8-pin mini-DIN.
- Lifetime warranty: unaffected by bumps, humidity or changes in orientation.

Tailored for You

**MWB** Low Pressure Drop
Minimize system impact with pressure drops as low as 4 mbar at full-scale flows. Alicat “Whisper” Series meters also respond faster in leak testing. Max range: 0-500 slpm.

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

**LB** Liquid Flows
Verify liquid processes with the fastest response time available in a liquid flow meter (20 ms). Available in ranges 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.

Sample Applications

In-House Flow Verification for a Gas Chromatograph
Verify the proper operation of flowing processes in real time. Simultaneous flow and pressure readings improve validation efficiency. Accurate, and repeatable measurements exceed the reporting standards of external auditors.

Calibration of an Air Sampling Canister
Rapidly calibrate across multiple ranges and gases without carrying a computer. NIST-traceable high-accuracy calibration makes your portable a transfer standard. “Whisper” low pressure drop enables non-intrusive volumetric flow calibration.

See the video!

alicat.com/portable
Alicat Scientific, Inc • 888-290-6060