

Portable Flow Calibrator

Get in
Validate
Get out

Laboratory-grade
flow verification
in 20 seconds

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



BATTERY POWERED
PORTABLE INSTRUMENT

5 hours of use
with color
display



18 hours
of use with
monochrome
display

BATTERY POWERED
PORTABLE INSTRUMENT

PSIA °C TARE-V
+13.58 +29.09 [Battery Icon]

+0.0 SCCM
AIR

+0.0 +0.0
CCM SCCM MENU

WHISPER
ALICAT SCIENTIFIC™

FLOW →

The Fastest Flow Controller Company in the World!

MB Standard series

Available in any range from 0-0.5 sccm to 0-4000 slpm.



MWB Series low pressure drop

(shown with optional color display)

Available in any range from 0-0.5 sccm to 0-500 slpm.



MBS Series for aggressive gases

(shown with optional color display)

Available in any range from 0-0.5 sccm to 0-4000 slpm.

See the video!



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).
- Multi-gas calibration:** 98-130 gases preloaded, plus COMPOSER™ gas composition firmware.
- 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.

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.

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.

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.