

MWB Whisper



Portable Flow Calibrator

for Gas Analyzers • Gas Dilution Calibrators • Air Sampling Canisters

Accurate Measurements

across a wide flow range

Conduct 20-point calibrations with confidence. Laminar flow technology gives the Alicat a wide operating range with accuracy that exceeds EPA requirements. Low pressure drop ensures that the meter does not interfere with volumetric flow readings.

Instant Flow Readings

even at very low flows

Do a flow calibration in minutes, not hours. The Alicat saves you time by displaying real-time readings no matter the flow rate. The optional totalizer averages 1000 readings each second for a robust calibration of even the most finicky flow controllers.

Reliable Operation

with no moving parts

Toss the Alicat in your kit, and leave the messy bubble juice behind. Spend your time calibrating, not supervising stuttering pistons through each flow measurement. Backed by the industry's only lifetime warranty, an Alicat won't let you down.



The Fastest Flow Controller Company in the World!



alicat.com/ambient

Whisper Portable Flow Calibrator

Nothing is faster! See readings in real time, even at low flow rates.

Fast • Accurate • Tough



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).
- **Easy to read** in direct sunlight.
- **Digital and analog outputs.**
- **Optional totalizer** with timed flow averages.

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).
Pressure drop: 4-7 mbar at full-scale flows.
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.



Calibration Applications

Gas Analyzer

Instantly verify sample flow rates for a wide range of analyzers. Conduct flow calibrations in seconds with live readings of volumetric flow. Optional totalizer averaging allows timed averages of 1000 readings per second.



Gas Dilution Calibrator

Perform a 20-point MFC flow calibration in minutes, not hours. Don't wait any longer for long PD meter measurements. Rapidly calibrate across multiple MFC ranges with readings for both volumetric flow and standardized mass flow.



Air Sampling Canister

Adjust canister flow controller settings in seconds. Live readings at very low flow rates make it a snap to ensure the mechanical flow controllers of air sampling canisters are on target for your sample set. "Whisper" low pressure drop enables non-intrusive calibration of volumetric flow rates.



Common Flow Ranges:

0.025-5.000 ccm/sccm
 0.25-50.00 ccm/sccm
 0.5-100.0 ccm/sccm
 2.5-500.0 ccm/sccm
 0.05-10.00 lpm/slpm
 0.10-20.00 lpm/slpm
 0.15-30.00 lpm/slpm