

Alicat M-Series Flow Calibrators

- Accurate—NIST-traceable and rated at 0.8% of the reading + 0.2% full-scale repeatability; calibration documents provided with each unit.
- Fast—5 ms response speed with no warm-up required.
- Convenient—no computer connection or software required and all data is visible on one screen.
- Tough—stainless steel construction; unaffected by bumps, humidity, or changes in orientation and supported by an Alicat lifetime warranty.*
- Downloadable—data can be recorded on a computer via RS-232 connection (unit has no on-board data logging).
- Long-lasting—portable models with lithium-ion battery offer 5 hours (color) or 18 hours (monochrome) of use between charges; rated for 500 cycles before decline to 85%.**

Quickly and precisely verify flow rates generated by vacuum or pressure before going into the field. These compact, convenient units are ideal for real-time calibration of air flow controllers, passive sampling kits, air canisters, sampling pumps, and more. They measure absolute pressure, mass flow, volumetric flow, and temperature of 30 different gases across a wide range of flows. Choose a lab-based or convenient battery-powered portable model.



26437



26438

Monochrome display shown; also available in color.

Specifications:

Accuracy at Calibration Conditions After Tare:	± 0.8% of reading + 0.2% of full scale
High Accuracy at Calibration Conditions After Tare:	± 0.4% of reading + 0.2% of full scale
Accuracy for Bidirectional Meters at Calibration Conditions After Tare:	± 0.8% of reading + 0.2% of total span from positive full scale to negative full scale
Repeatability:	± 0.2% full scale
Zero Shift and Span Shift:	0.02% full scale / °C / atm
Operating Range / Turndown Ratio:	0.5% to 100% full scale / 200:1 turndown
Maximum Measurable Flow Rate:	128% full scale
Typical Response Time:	10 ms (adjustable)
Warm-Up Time:	<1 second
Operating Temperature:	-10 to +50 °C
Humidity Range (non-condensing):	0 to 100%
Maximum Internal Pressure (static):	145 psig
Wetted Materials:	303 & 302 stainless steel, Viton®, silicone RTV (rubber), glass-reinforced nylon, aluminum
Programmed Gases:	Acetylene, air, argon, butane, carbon dioxide, carbon monoxide, ethane, ethylene (ethene), helium, hydrogen, iso-butane, krypton, methane, neon, nitrogen, nitrous oxide, oxygen, propane, sulfur hexafluoride, xenon, A-25, A-75, A1025, C-2, C-8, C-10, C-25, C-75, P-5, Star29
Dimensions:	cat.#s 26434 & 26438: 3.9" H x 2.4" W x 1.1" D; 0.8 lb cat.#s 26435 & 26439: 4.1" H x 2.4" W x 1.1" D; 1.0 lb cat.#s 26432 & 26436: 6.4" H x 2.4" W x 1.1" D; 1.0 lb cat.#s 26433 & 26437: 6.7" H x 2.4" W x 1.1" D; 1.2 lb

Description	Flow capacity	qty.	Color Display		Monochrome Display	
			cat.#	cat.#	cat.#	cat.#
Portable Mass Flow Calibrator	0-50 sccm	ea.	26432	26433	26436	26437
Portable Mass Flow Calibrator	0-500 sccm	ea.	26433	26434	26438	26439
Lab-Based Mass Flow Calibrator	0-50 sccm	ea.	26434	26435	26438	26439
Lab-Based Mass Flow Calibrator	0-500 sccm	ea.	26435	26436	26439	26440

Monochrome display shown; also available in color.

*Restek Recommends: Recalibrate your Alicat flow calibrator once every year to maintain lifetime warranty. Prolonged failure to recalibrate your unit may result in increased error. To always get the most accurate measurements, contact Restek® Customer Service to send in your flow calibrator for service, recertification, and recalibration (cat.# 26462).

** NOTE: Handling, removing, or replacing the battery will void the Alicat warranty.



coming soon

Mesa Labs Flow Calibrators

www.restek.com