

Alicat Whisper™ MWB-Series Mass Flowmeters

Low-Pressure Drop, Battery Operated, SCCM

Cole-Parmer®



These portable, low-pressure drop mass flowmeters utilize laminar differential pressure technology to deliver precise mass flow measurements for over 130 different gases. With a rapid control response time of just 100 milliseconds, they integrate easily into test stands, enabling immediate and accurate verification without the need for warm-up.

Designed to minimize pressure drop—as low as 0.07 psid. Each unit comes preloaded with 98 standard gas calibrations that can be easily switched without compromising accuracy.

These stand-alone devices measure mass flow, volumetric flow, temperature, and absolute pressure, with readings shown in standard cubic centimeters per minute (SCCM). Additional features include a backlit LCD display, a data I/O port for seamless data logging to a computer, and versatile mounting options—even allowing for upside-down installation.



Scan the QR code for more information
on flowmeters.

APPLICATIONS

- Perfect for applications with limited source pressure
- Ideal for general-purpose, laboratory, and industrial applications

FEATURES/BENEFITS

- Built-in rechargeable battery with up to 18 hours life
- Provides accurate real-time mass and volumetric flow readings with minimal pressure drop
- No warm-up required
- 98 preloaded gas calibrations
- Max pressure rating of 80 psia
- Operating temperature range of -10 to 60 °C (14 to 140 °F)

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All others	+1.847.549.7600

Cole-Parmer®

coleparmer.com

*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Specification and Ordering Table

Flow Range	Accuracy	Repeatability	Process Connection	Item Number
0 to 0.5 SCCM	±0.8% of reading ±0.2% of full scale	±0.2% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-15
0 to 1 SCCM	±0.8% of reading ±0.2% of full scale	±0.2% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-16
0 to 2 SCCM	±0.8% of reading ±0.2% of full scale	±0.2% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-17
0 to 5 SCCM	±0.8% of reading ±0.2% of full scale	±0.2% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-18
0 to 10 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-19
0 to 20 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	M5 female (10-32 compatible)	67803-20
0 to 50 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	1/8" NPT(F)	67803-21
0 to 100 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	1/8" NPT(F)	67803-22
0 to 200 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	1/8" NPT(F)	67803-23
0 to 500 SCCM	±0.75% of reading ±0.1% of full scale	±0.1% of reading ±0.02% of full scale	1/8" NPT(F)	67803-24