

Alicat MB-Series Mass Flowmeters

Battery Operated, SLPM

Cole-Parmer®



These portable mass flowmeters, with a fast control response time of 10 milliseconds (ms), offer quick integration into test stands for accurate verification without any warm-up time. Flowmeters come with 98 preloaded gas calibrations, which can be switched seamlessly while maintaining accuracy. The stand-alone units measure mass flow, volumetric flow, temperature, and absolute pressure with flow rates displayed in standard liters per minute (SLPM). Key features include a rechargeable battery, backlit monochrome display, RS-232 data I/O port for logging data to your computer, and flexible mounting options, including upside-down installation.



Scan the QR code for more information on flowmeters.

APPLICATIONS

- Perfect for controlled gas delivery, injection, and mixing
- 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
- No warm-up required
- 98 preloaded gas calibrations
- NIST-traceable accuracy up to $\pm 0.5\%$ of reading
- Max pressure rating of 75 psi
- Operating temperature range of -10 to 60 °C (14 to 140 °F)

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China	86.21.5109.9909
India	+1.800.266.1244

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All others	+1.847.549.7600

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

Specification and Ordering Table

Flow Range	Process Connection	Accuracy	Repeatability	Item Number
0 to 1 SLPM	1/8" NPT (F)	±0.6% of reading	±0.1% of reading + 0.02% of full scale	67802-79
0 to 2 SLPM	1/8" NPT (F)	±0.6% of reading	±0.1% of reading + 0.02% of full scale	67802-80
0 to 5 SLPM	1/8" NPT (F)	±0.6% of reading	±0.1% of reading + 0.02% of full scale	67802-81
0 to 10 SLPM	1/8" NPT (F)	±0.6% of reading	±0.1% of reading + 0.02% of full scale	67802-82
0 to 20 SLPM	1/8" NPT (F)	±0.6% of reading	±0.1% of reading + 0.02% of full scale	67802-83
0 to 50 SLPM	1/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-84
0 to 100 SLPM	1/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-85
0 to 250 SLPM	1/2" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-86
0 to 500 SLPM	3/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-87
0 to 1000 SLPM	3/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-88
0 to 2000 SLPM	3/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-89
0 to 3000 SLPM	1-1/4" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-90
0 to 5000 SLPM	1-1/2" NPT (F)	±0.8% of reading + 0.2% of full scale	±0.2% of reading + 0.02% of full scale	67802-91