

Alicat Whisper™ MCW-Series Mass Flow Controllers

Low-Pressure Drop, SCCM

Cole-Parmer®



These low-pressure drop mass flow controllers, featuring a fast control response time of just 30 milliseconds (ms), offer quick integration into test stands for accurate verification without any warm-up time. Controllers create minimal pressure drop—as low as 0.07 psid. They are capable of measuring and controlling flow generated by both positive pressure and suction. Real-time monitoring of flow, pressure, and temperature is available directly on the display screen.

The controllers come with 98 preloaded gas calibrations, which can be seamlessly switched while maintaining accuracy. The stand-alone units measure mass flow, volumetric flow, temperature, and absolute pressure, with flow rates displayed in standard cubic centimeters per minute (SCCM). Additional key features include an LCD display with backlight, a 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 flow controllers.

APPLICATIONS

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

FEATURES/BENEFITS

- Accurately measures and controls 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)

USA	+1.800.323.4340
	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
India	+1.800.266.1244

UK	+44 (0) 1480.272279
	+33 (0) 1.87.170142*
	+49 (0) 937.792030*
Italy	+39.02.84349215
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)	67803-82
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)	67803-83
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)	67803-84
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)	67803-85
0 to 10 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	M5 female (10-32 compatible)	67803-86
0 to 20 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	M5 female (10-32 compatible)	67803-87
0 to 50 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	1/8" NPT(F)	67803-88
0 to 100 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	1/8" NPT(F)	67803-89
0 to 200 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	1/8" NPT(F)	67803-90
0 to 500 SCCM	±0.75% of reading or ±0.1% of full scale, whichever is greater	±(0.2% of reading ±0.02% of full scale)	1/8" NPT(F)	67803-91