ADM Flow Meters

ADM flow meters allow most gas measurements with the touch of only one button – turn it on, and the instrument provides continuous, hands-free flow readings. Measure column, detector, and carrier gas flows without making any adjustments. ADM flow meters are ideal for measuring gas streams with a changing gas composition. For example, if gas flow is measured from a digestion system, concentration changes in methane, carbon dioxide, and oxygen will not affect accuracy.

All ADM flow meters are battery powered and field-portable. Agilent calibrates each instrument to 5-point, NIST-traceable standards to ensure the highest available accuracy. The ADM family measures flow volumetrically, so you don't have to make adjustments when changing from one gas to another.

ADM 1000

ADM 1000

- Accuracy ± 3%
- Operating temperature range – 0 to 45 °C for the instrument, -70 to 135 °C for the tubing
- Calibration – traceable to NIST primary standards
- Real-time, split ratio measurement
- CE mark certified
- Measures flow rates from 0.5 to 1000 mL/min
- Split ratios – compare the ratio from one gas measurement to another (i.e., injection port split ratios)

ADM 2000

ADM 2000

In addition to the features of the ADM 1000, the ADM 2000 includes:

- Mass flow measurements – measure flow rate, independent of atmospheric pressure and temperature (calculated)
- Data output through RS-232 port
- 9 V battery and AC power adapter (120 or 220 VAC)

ADM Flow Meters

Description	Flow Rate (mL/min) Low	Flow Rate (mL/min) High	Gases Measured*	Accuracy (%)	Power Supply	RS-232 Data Output	Part No.
ADM 1000**	0.5	1000	All	± 3	9 V Battery	None	220-1170
ADM 2000**	0.5	1000	All	± 3	Battery or 120 VAC	Yes	220-1171-U
ADM 2000E**	0.5	1000	All	± 3	AC Adapter, 220 V	Yes	220-1171-E
Carrying Case for ADM							907-0056

*± 3% or ± 0.2 mL/min, whichever is greater with a flow rate of 0.5-1,000 mL/min

**Non-corrosive gases only

Flow Meters

Precision Gas Flow Meter

Precision gas flow meter, 5067-0223

Agilent's Precision Gas Flow Meter is the ultimate gas flow meter for chromatography applications. This handheld flow meter is highly accurate, reliable and incorporates industry leading performance. The inherent stability of the rugged, solid state components allows Agilent to provide the longest calibration interval on the market, all traceable to NIST standards.

- Highly accurate and reliable measurement of common carrier and fuel gases used in GC, including nitrogen, air, carbon dioxide, hydrogen, helium, and argon/methane
- Two year guaranteed calibration period traceable to NIST standards
- Measures flow based on gas viscosity properties with an accuracy of ± 0.8% of reading + 0.2% of full scale
- Flow rate range from 5 to 500 mL/min
- Displays mass flow, volumetric flow, temperature, and pressure readings simultaneously
- Can be plumbed inline

Precision Gas Flow Meter

Description	Part No.
Precision gas flow meter	5067-0223

TIPS & TOOLS

Ensure you are maximizing the inertness of your GC flow path with the Agilent Ultra Inert Poster – **www.agilent.com/chem/Ulorder**