

GC Supplies

Agilent Flowmeters



ADM Flowmeter

Want to use the simplest flowmeter for gas chromatographic analysis? ADM flowmeters allow most gas measurements with the touch of only one button — turn it on, and the instrument provides continuous, hands-free flow readings. You can measure column, detector, and carrier gas flows without any adjustments. ADM flowmeters are ideal for measuring gas streams with a changing gas composition. For example, if you measure the gas flow from a digestion system, concentration changes in methane, carbon dioxide, and oxygen will not affect accuracy.

All ADM flowmeters 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 any adjustments when changing from one gas to another.

If you need rapid, real-time measurements of a gas stream, ADM flowmeters are perfect for you. These flowmeters are designed for basic gas chromatography laboratories.

ADM 1000 features include:

- Accuracy $\pm 3\%$
- 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 1000mL/min
- Split ratios—compare the ratio from one gas measurements to another (i.e., injection port split ratios)

ADM 2000 features include:

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
- 9V battery and AC power adapter (120 or 220 VAC)

Cat. No.	Description
220-1170	ADM1000 flowmeter, 0.5-1000mL/min
220-1171-U	ADM2000 flowmeter, 0.5-1000mL/min

FlowTrackers

Agilent's FlowTracker Flowmeters are the ultimate gas flowmeters for chromatography applications. These handheld flowmeters incorporate industry leading performance and features in a highly accurate and reliable package.

FlowTracker 1000 features include:

- Two year guaranteed calibration, traceable to NIST standards
- Measures flow (0 - 500mL/min) based on gas viscosity properties with an accuracy of $\pm 2\%$, ($\pm 5\%$ from 0-5mL/min)
- Displays mass flow, volumetric flow, temperature, and pressure readings simultaneously
- Screen displays for flow, linear velocity, and split ratio modes

FlowTracker 2000 features include:

In addition to the features of the FlowTracker 1000, the Flow Tracker 2000 includes an economical Thermal Conductivity Leak Detector in a single handheld design.

- Leak detection at 10^{-3} cc/s
- Visual and audible leak detection signals

Cat. No.	Description
5183-4779	FlowTracker 1000 flowmeter
5183-4780	FlowTracker 2000 flowmeter/leak detector



Veri-Flow 500

Need the ultimate in versatility? The Veri-Flow 500 packs an incredible amount of features into a highly accurate flowmeter. The solid state gas sensor used in the Veri-Flow 500 measures mass flow rates of the common 5 gases from 5 to 500mL/min. Above all, the Veri-Flow 500 has big features for a small, small price.

What does it Measure?

- 5 gases— H₂, He, N₂, Air, Argon/Methane
- In-line flow
- Injection port split flows

What Else?

- Two-way data communication through serial port
- Rechargeable battery pack
- $\pm 3\%$ accuracy
- Calibrated to a NIST primary standard
- CE mark certified

Cat. No.	Description
HVF-500	Veri-Flow 500, 5.0-500mL/min