



Optiflow 420



Optiflow 570



Optiflow 650



Optiflow 1000

Digital Bubble Flowmeters

- Calibrated to NIST primary standards
- 9V Long-lifetime battery

Agilent digital bubble flowmeters have been making flow measurement easy for years. Today, they are still widely used to measure GC flows, calibrate air sampling pumps, and verify various gas flows. The Optiflow series offers the widest range of flow rates and allows you to visually ensure gas flows. This tried and true flowmeter measures volumetrically and therefore can measure any gas composition with the push of one button and the squeeze of a bulb.

Optiflow 420:

The Optiflow 420 is the best bubble flowmeter for measuring low gas flow rates—especially GC columns.

- Flow Range—0.1 to 50mL/min
- $\pm 3\%$ accuracy

Optiflow 570:

Want a bubble flowmeter for measuring carrier, makeup, injection port, and detector gases? The Optiflow 570 handles most of your GC needs. We also manufacture Optiflow 570 in a hard metal case, which makes it portable and field ready.

- Flow Range—0.5 to 700mL/min
- Available in a hard field case
- Split ratio measurement
- $\pm 3\%$ accuracy

Optiflow 650:

If you calibrate air sampling equipment, verify mass flow controller settings, or monitor higher gas flow rates, these Optiflow flowmeters are simple and efficient.

- Flow Range—5.0 to 5000mL/min
- Available in a hard field case
- Measures both positive and negative (vacuum) flow sources
- $\pm 2\%$ accuracy

Optiflow 1000 — Liquid Flowmeter

Optiflow 1000 measures liquids! Verify and set HPLC column flow rates with the Optiflow 1000.

- Flow Range—1 to 30mL/min
- $\pm 2\%$ accuracy

Digital Bubble Flowmeters - Ordering Information

Gas Flowmeters

Cat. No.	Description
HFM-420	Optiflow 420, 0.1 to 50mL/min
HFM-570	Optiflow 570, 0.5 to 700mL/min
HFM-570-FC	Optiflow 570, 0.5 to 700mL/min, field case
HFM-650	Optiflow 650, 5 to 5,000mL/min
HFM-650-FC	Optiflow 650, 5 to 5,000mL/min, field case

Liquid Flowmeters

HFM-1000	Optiflow 1000, 1 to 30mL/min
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Economy Glass Bubble Flowmeters

0101-0030	10mL Glass bubble flowmeter
0101-0113	100mL Glass bubble flowmeter

Accessories for Bubblemeters

HFM-BULB	Replacement bulbs
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Glass Bubble Flowmeters



Flowmeter Calibration/Repair Services

- ADM Series: 1000 and ADM 2000
- VeriFlow 500
- Optiflow Series: 420, 520, 570, 650, 1000

Calibration and repair services available for the above units. Please contact Chrom Tech for a quote and return authorization number.