

- Compact design and easy to use
- Compatible with all laboratory gases
- Measure both positive and negative flows

## Thermo Scientific GFM Pro Flowmeter

Continuous real-time measurement of gas flows ensuring accurate and reproducible chromatography



### Product Description

The Thermo Scientific GFM Pro gas flowmeter is specifically designed for use with gas chromatography (GC) systems. The probe is applied directly to the gas flow stream and the measured flow rate is presented on the LCD screen. Units of flow are measured in mL/min. The unit provides continuous real-time measurements of gas streams ranging from 0.50-500 mL/min. Because the technology employs volumetric flow measurement the unit is compatible with all laboratory gases without requiring prior knowledge of the specific gas composition.

### Flexibility

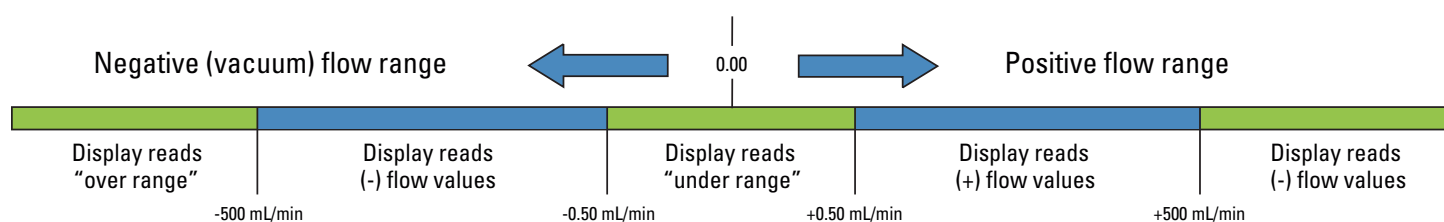
The unit is capable of measuring both positive and negative (vacuum) flows. The unit automatically detects the flow direction and assigns a positive (+) or negative (-) flow value depending on the flow source. The unit has an operating range of +0.50-500 mL/min to -0.50-500 mL/min.

### Protection

The unit also protects against excessively high flow rates, if the flow rate is greater than 600 mL/min the unit will identify the flow as potentially destructive to the unit and shut the unit off.

### Data Collection

The GFM Pro provides access to the data stream for real-time flow values via the USB port. This allows for monitoring the flow values over a period of time with the added ability to store/save the data.





Provides actual column flow rate, ensuring column to column reproducibility

## Features

- Measurement range of 0.5-500 mL/min
- Measures volumetric flow for all gases
- Calibration-traceable to NIST primary standards
- Explosion-proof rating for flammable and explosive gases
- Accuracy of  $\pm 2\%$  of flow or  $\pm 0.05$  mL/min whichever is greater
- Over range warning indicator
- Auto-shutoff feature
- Use as a bench-top or hand-held unit
- Ergonomic design
- Side grips for added durability
- CE certified
- Uses 2-AA batteries
- Data output via USB port
- Re-calibration service available
- Convenient carrying/storage case included



## Product Specifications

Type of Measurement	Volumetric flow
Accuracy of Measurements	$\pm 2\%$ of target value
Power Requirements	2 AA batteries
Operating Flow Range	(Positive flow): +0.50 to +500 mL/min (Negative vacuum flow): -0.50 to -500 mL/min
Operating Temperature Range	32 to 120 °F (0 to 48 °C)
Humidity Range	0-97%
Available Communication	USB
Warranty	One Year
Certifications	CE, EX
Compliance	WEEE, RoHS

## Ordering Information

Description	Part Number
Thermo Scientific GFM Pro Flowmeter	66002-010
Soft Side Carry Case (Flowmeter not provided)	66002-002



Ask about our Thermo Scientific GLD Pro Leak Detector to detect and identify gas leaks quickly and efficiently.

For more information, visit the **Chromatography Resource Center** at [www.thermo.com/columns](http://www.thermo.com/columns)

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