

1.0 Introduction

Restek's ProFLOW 6000 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.

This unit provides continuous real-time measurements of gas streams ranging from 0.50 mL/min to 500 mL/min. Because the technology uses volumetric flow measurement, the unit is compatible with all laboratory gases.



CAUTION: Do NOT exceed maximum operating flow rates. Recalibration may be required if the unit has been subjected to extreme flow rates.



Always use appropriate laboratory safety practices when operating this device. Wear laboratory safety goggles when operating this unit.

2.0 Specifications

Table I

Type of measurement	Volumetric flow
Accuracy of measurements	$\pm 2\%$ flow or ± 0.2 mL/min., whichever is greater
Power requirements	2 AA Alkaline Batteries 1.5VDC each/3VDC 200ma
Operating flow range	0.50 to 500 mL/min.
Operating temperature range	32°-120°F (0°- 48°C)
Available communication	USB data port
Warranty	one year
Calibration	NIST traceable. Yearly recalibration is recommended.
Certifications	CE, Ex (see section 10.0)
Compliance	WEEE, RoHS (see section 10.0)

NOTE: There are no serviceable parts in this unit. Opening the device—other than to change the batteries—or tampering with the internal parts will void the factory warranty.

NOTE: To ensure accurate measurements and effective clearance of the flow gas from the unit, DO NOT obstruct the vent holes on the back of the unit.

Figure 1 Product diagrams

