



DIGITAL FLOWMETER FOR GAS CHROMATOGRAPHY



Accurate and repeatable gas flow measurement is fundamental to obtaining good results from your Gas Chromatography. The traditional Bubble Flowmeter, relying as it does on the reaction time of the operator, is a potential source of error.

The Cambridge Scientific Instruments Flowmeter eliminates this source of error and makes gas flow measurement easier and more accurate. In addition, traceability to the internationally recognised UK National Physical Laboratory (NPL) standards also helps with the performance of Standard Operating Procedures (SOP's) and GLP compliance.

6000 SOLID STATE FLOWMETER

The Cambridge Scientific Instruments Digital Solid State Flowmeter provides, as standard, measurement of eight different gases, detailed in the specification. In addition it provides the following:

- **Split Flowrate**

The column flow is measured followed by the flow through the split line. Simultaneous displays of column flow, split line flow and split ratio are displayed.

- **Linear Velocity**

The user selects a column diameter from the list provided and then the linear velocity is calculated and displayed. The result is simultaneously displayed with the flowrate so that the operator can view them both and independently set either parameter.

- **Calibration**

This provides, as standard, for eight common gases used in gas chromatography. A calibration certificate is supplied with each flowmeter and re-calibration is recommended annually.

SPECIFICATION

6000 Solid State

Range:	0.1 to 500 ml/min
Resolution:	0.1 ml/min
Accuracy:	Typically better than $\pm 2.5\%$ of reading
Gases:	As Standard: <ul style="list-style-type: none"> • Air • Argon • Argon/5% Methane • Carbon Dioxide • Helium • Hydrogen • Nitrogen • Oxygen
Display Modes:	Flowrate (ml/min) Linear Velocity (cm/sec) Split Flow (ml/min) Split Ratio
Power Supply: (included)	One MN1604 Battery
Dimensions:	9cm(W)x4cm(D)x16cm(H)

“Screen Shots” from the CSi 6000 Flowmeter

HE 1.0ml/mn

Choose the gas type: e.g. Helium.
The flow is displayed in ml/min

HE 1.0ml/mn
320u 20cm/s

Using the chosen column diameter
The linear velocity is displayed

SETUP

Gets you into areas to edit setup

Column Diameter
250 microns

For example the column diameter

Power Off time
2 mins

Or the power off time

COL 1.5 1
SPL 30.0 20

Measure the column flow
Measure the split line flow
Split ratio calculated for you.