

Flowcal  
 Unit 4  
 Ham Business Centre  
 Brighton Road  
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 West Sussex  
 BN43 6RE



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## Hire

# Flowmeter Micromanometer

### FC0510- Micromanometer, Laminar Flow Meters



- Micromanometer  
 200 Pa Range  
 2000 Pa Range
- Measures Flow, Differential Pressure, and air velocity.
- Compensation for temperature

The FC0510 is a precision instrument, used for measuring ultra low range differential pressure.

Available with a range of flow devices, the unit is capable of also measuring volume, flow and air velocities. The unit is fully configurable for units of measure, data storage and flow range settings.

Optionally available with the Micromanometer is a range of 5 laminar flow elements and a Pitot tube. The combined unit allows volume flow measurement as low as 4ml/min on clean and dry air or gases. The range available for hire is as follows:

Model	Range	Nominal DP
FC096-20C	0 to 20ml/min	50Pa
FC096-200C	0 to 200 ml/min	70Pa
FC096-2L	0 to 2 l/min	100Pa
FC096-20L	0 to 20 l/min	60Pa
FC096-200L	0 to 200l/min	40Pa

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### Detailed Specification:

Languages	English, French, German
Accuracy	0.25% of reading between 10% of lowest range and full scale ±1 digit better than 0.5% below this.
Storage temperature	-10 to 50°C
Working Temperature	0 to 45°C
Mains Supply	90 to 240va.c. 50-60 Hz
DC Supply	12V d.c. min 350 mA
DC Outputs	18V d.c. 25mA for 4 to 20 mA sensors
Media Compatibility	Dry non-corrosive gases, 0-95% relative humidity non condensing, compatible with construction materials.
Materials in Contact	Copper , Stainless Steel, Mica, Silicone Grease, Loctite, Nickel, Hytel
Maximum Overload	10 times instrument pressure differential
Maximum Static	8 bar applied to both " plus and " minus" ports simultaneously
Flow Devices	Laminar Element or Pitot Tube
Temperature Range	External sensor or preset value 0 to +100 °C
Absolute Pressure Range	External sensor or preset value 0 to 11 bar
Relative Viscosity Range	0.1 to 3.0
Relative Density Range	0.1 to 3.0
Pitot K Factor Range	0.5 to 2.0
Laminar Flow Range	0.004 to 400 l/min
Outputs	0-5V d.c. or 0-2.5 – 5V d.c.
Dimensions	300mm W x 125mm H x 250mm D
Weight	6 Kilos

If you have any other queries, enquiries about, or wish to hire this product please don't hesitate to contact us.

#### Hire Price:

FC0510	£ 300/wk
LFE	£ 50/wk
Pitot	£ 30/wk

Specification sheet  
**Flowmeter**  
 Specification sheet  
**Micromanometer**

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