

Microcalibrator Digital Flowmeter

FCO210



- Battery operated
- Ranges from 20cc/min to 2000cc/min
- Fine adjustment needle valve & isolation valve
- Temperature compensated

The FCO210 Digital Microcalibrator is a traceable flow rate meter designed primarily to provide calibration for production line leak detectors.

The unit comprises a mini flow meter using a laminar flow element and a low range differential pressure transducer to resolve leak rate readings in cc/min or cc/hr.

The leak rates are adjustable using the built-in fine needle valve and the set leak rate is read on an LCD display.

To aid the calibration accuracy under various production conditions, a built-in temperature sensor corrects the flow readings for variable ambient conditions.

Flow Measurement

Flow ranges	0 to 2 cc/min 0 to 200 cc/hr 0 to 200 mm ³ /s	0 to 20 cc/min 0 to 2000 cc/hr 0 to 2000 mm ³ /s	0 to 200 cc/min	0 to 2000 cc/min
Accuracy @ 20°C	10% to 100% range: < ± (1% reading + 1 digit) 0 to 10% range: < ± (0.1% range + 1 digit)			
Resolution	4 digit display			
Temperature Coefficients	Zero: Semi-automatic Zero facility Span: < 0.1% per °C			
Display	3 ½ digit LCD			
Long Term Drift (span)	< 1% per year			

Electrical

Power Requirements	9 volt battery (PP3)
Battery Life	Up to 250 hours
Operating Temperature	0 to 50°C

Pneumatic

Media Compatibility	Clean dry air or non corrosive gas. Viscosity corrected for air only.
Overload	20 x Range
Pneumatic Connection	1/8" BSP female input M5 vent port (option for Quick Connector)
Static Pressure	Vacuum to 14 bar gauge

Construction

Enclosure	Polycarbonate case with steel base
Dimensions	191 x 132 x 168mm
Media Compatibility	Clean dry non-corrosive gas
Weight	2kg

Furness Controls has a UKAS accredited laboratory which offers pressure calibration from 0 to 40 kPa and flow calibration from 0.1 ml/min to 2000 litres/min