

Flowcal
Unit 4
Ham Business Centre
Brighton Road
Shoreham-by-Sea
West Sussex
BN43 6RE



Tel: 01273 455572
Fax: 01273 454120
Email:
sales@flowcal.co.uk
Website:
www.flowcal.co.uk

Hire

specification sheet Blow-by Meter specification sheet

The M400MR measures the flow of gases from an engine's crankcase. This flow, called blow-by, is caused by piston ring, valve guide, and turbocharger bearing leakage. Blow-by data is used to determine engine condition and lubricating oil effectiveness.

Blow-by is quantified either by:

- The flowrate at a given speed and load
- or
- The time it takes for a certain volume of gas to flow over a given engine cycle



SPECIFICATION

Flow Ranges (Set by adjustable bypass ports):
User selectable from: 4 to 150 LPM
4-150 LPM
15 to 400 LPM

Total Flow: 1000 Litres (total)

Accuracy: 1% of reading

Repeatability: 0.5% of reading

Pressure Drop (across entire meter): 0.5" (12.7mm) H₂O@ 20% of max. flow

Operating Temperature: 0 to 150°C (flow)
-20 to 85°C (electronics)

Outputs: Analogue (0 to 5 VDC linearised)
RS-232 (bi-directional)

Programmable: Output update rate, Analogue output range,
Flow averaging period, Flow range
Materials exposed to blow-by: Anodized aluminium, Stainless Steel & Teflon

Power: 11 to 28 V DC@ 300mA,
240 AC Power Supply Included

Size: 102 x 366 x 133 mm

Weight: 2.5 kg

Applications:

- Engine Testing,
- Lubricant Testing
- Fleet Maintenance in Dynamometer Cells and Vehicles

Hire Price:
£200 per/week

