

Flow Management System FMS1000-3C

- *Leak Rate Measurement Uncertainty of $\pm 0.5\%$ of FS*
- *Supplied with ISO/IEC17025 calibration certificates*
- *Operator training tool for Chell Leak Rate Monitor and Local Leak Rate Testers.*
- *Calibrates Chell Leak Rate Monitors and Local Leak Rate Testers*
- *Portable Package*
- *Simple Operation*



The FMS1000-3C is a system which both controls leakage rates, and measures them very accurately, allowing it to be used both as a calibration standard and training tool for various makes of Leak Rate Monitors and Local Leak Rate Testers.

A Training Tool

As the Flow Management System actively delivers a commanded flow rate, it can be used to simulate a range of leakages, first to train new operators, and then to test them, before they go on site.

The FMS uses thermal mass flow controllers, to give accurate, repeatable readings, that are unaffected by changes in gas temperature and pressure. The operator commands the required leak rate using the front panel controls, and the FMS then accurately measures and automatically maintains the commanded leak rate.

A Calibration Standard

The Flow Management System is accurate enough to be used as a calibration standard or for most Leak Rate Monitors and Local Leak Rate Testers. It gives you the capability to verify the accuracy of the leak rate measurement of your fleet of Leak Rate Monitors, without having to send them off site.



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Specifications

Specification Table	
Air Leakage Measurement Ranges	Between 5 sccm and 15,000 slpm
Air Leakage Measurement Uncertainty	±0.5% of range
Air Leakage Reference Conditions	20°C and 101.325kPa (other options available)
Mechanical	
Construction	19" Half-rack , 4U high enclosure, with tilt / carry handle
Mounting	bench top, free standing
Weight	10Kg
Battery Charger / Power Supply Requirement	
Line Voltage	100 ~ 240 VAC
Line Frequency	50 ~ 60Hz
Power Consumption	less than 100VA
Environmental Conditions	
Operating temperature range:	+5°C to +40°C (40°F to 122°)C
Storage temperature range:	-10°C to +60°C (-40°F to 150°)
Maximum Relative humidity:	95% at 50°C (non condensing)
Warm up time to full accuracy:	1 hour (assumes unit already stabilised at ambient)

Order Code

FMS-1000-3C Consult factory for optional configurations

Associated Products - Leak Rate Monitors

Leak Rate Monitors of several variations have been supplied tailored to suit specific requirements, including one version with on-board vacuum pump for negative pressure tests. Call one of our Applications Engineers to discuss your requirements in detail.



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