



PM1000 Portable Oxygen Analyser

Pure gas analysis
Waste incineration
Glass production
Refinery processes
Appliance testing and compliance
Solvent incineration
Power generation
Paper manufacturing
Cement production
Food processing
Pharmaceutical
Natural gas
Crematoria
Combustion control
Land fill gases
Clean Development Mechanism (CDM)
Wood burning boilers
Particulate emissions



The PM1000 is a self-contained portable oxygen analyser for a wide range of applications. It is available as an oxygen only analyser, using paramagnetic cell to cover a number of ranges.

The on-board electronics handle most of the work, leaving final calibration and display options for ease of integration.

Sample gas arrangements can vary from simple filter and pump through to electrical switched multi-sample, zero and span gas. For operation, the bench requires a modest flow (dependant on cell size and required response time) of dust-free, dry sample gas. Complete with sample pump, power cable and manual.

Experts in Gas Analysis

Criteria	
Measurement Technique	Paramagnetic Cell
Measurement Range	Up to 100% for oxygen over 3 optional ranges: 0-10%, 0-25%, 0-100%
Resolution	0.0% oxygen or 0.1% fsd
Repeatability	0.2% fsd
Noise	0.1% fsd
Zero Stability	Absolute zero
Span Stability	0.2% fsd over 1 week
Temperature effect on Zero	+/- 0.1% fsd per 1 degree centigrade
Temperature effect on Span	+/- 0.1% fsd per 1 degree centigrade
Response Time	Typically 4 seconds to T90 dependant on cell size
Flow Rate	Typically 0.2 to 1 litre per minute with sample pump
Connections	Battery Charger, Gas entries on rear, 4-20mA analogue output - 1/4" jack, RS232 data port