



Rapidox 5100 Gas Analyser

The Rapidox 5100 Multigas Analyser is a high specification instrument designed for the analysis, control and monitoring of gas in a wide range of applications including; biogas, syngas, anaerobic digestion and fermentation processes.

Up to six gases are simultaneously measured using a range of high precision gas sensors; each sensor is specially designed and calibrated to avoid any cross interference effects with the background process gas. Safety is ensured by the inclusion of flashback arrestors in the gas measuring circuit where required.

When configured for applications where the gases contain energy (e.g. Biogas, Syngas) the calorific value of the gas sample is determined using thermodynamic calculations and simultaneously logged and displayed on-screen.

An optional pump enables two modes of operations. For samples that are taken from a gas source at atmospheric pressure or below, the pump is activated to draw a sample through the analyser.

Alternatively the pump can be deactivated when sampling from a source at greater than atmospheric pressure, allowing the gas to flow through the analyser. Gas flow is regulated manually via a rotary knob on the fascia and displayed electronically on the screen.

Features

- Modular design allows for bespoke sensor combination upon request
- Full laboratory functionality within a truly portable field instrument
- Housed within a heavy-duty IP66 case
- 7" (180mm) full-colour touch screen interface with soft menu keys
- Permanent or sampling modes available
- All data is continuously logged and Excel compatible data can be downloaded via a USB memory stick
- Operates on any worldwide mains voltage (90-260VAC)
- Thermal printer provides on-site test results
- Fully programmable alarm settings
- Multi-language (Please contact for details)
- Password protection feature

Applications



Biogas



Emissions



Research & Development



Combustion

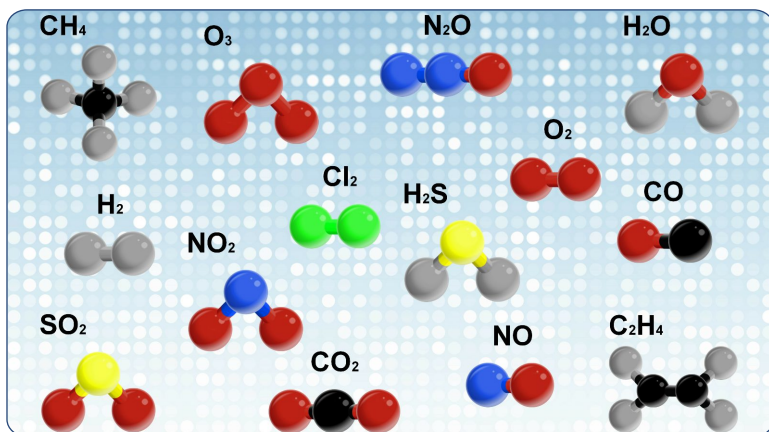


Gas



Syngas

Gases



Specification

Sample connections	4mm ID / 6mm OD Rectus style, closed coupled fittings
Warm-up time	3-4 minutes at 20°C
Measurement time	Approximately 2-4 minutes (dependant on sensor configuration)
Data output	Excel compatible data via USB memory stick
Data storage	4GB internal data storage allowing for approximately 1 year of continuous monitoring
Max inlet temperature	50°C
Max inlet pressure	10 Bar gauge
Operating temperature	-10°C to 40°C
Optional pump	0-1 litres per minute
Calibration	Zero and span calibration with two user-selectable gases
Battery life	In excess of 8 hours (up to 500 cycles) 4-6 hour charge
Voltage (charging)	90-260VAC, 50/60Hz
Display	7" (180mm) full-colour LCD with touch screen operation
Printer	Thermal printer allows output of results on demand
Analyser dimensions	180mm(H) x 480mm(W) x 360mm(D)
Weight	7kg

Accessories

Calibration Gas and Servicing



Rapidox Gas Recovery Bag



Sample Hose



Sample Probe



Please contact Cambridge Sensotec for further information



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Due to continuous product development, necessary changes to specifications may be made without prior notice. Issue no: V1 2016

