



Rapidox 1100 Oxygen Analyser

The Rapidox 1100 range is one of the company's most popular, cost-effective and versatile gas analysers.

Users have a choice of two electrochemical oxygen sensors, one for low ppm measurements of 1ppm to 1% and another for 1–100% oxygen range. Electrochemical sensors are ideal for applications where VOC's or flammable gases are present in the gas sample.

Analysers fitted with the zirconia oxygen sensor provide fast and accurate gas analysis over the range 1ppm to 100% O₂. Continuous on-line oxygen gas analysis is available.

Other variations of the model include a three-channel multiplex version, which allows for three gas streams to be sampled from separate points. Gases can be analysed in sequence or at intervals set from the controls (front keypad or software).

The Rapidox 1100 can also be used to control an external proportional flow control valve (PFC). This is particularly useful within inert gas blanketing applications, where the analyser can regulate the level of gas based on the measurement of oxygen via the PFC control function. Please contact Cambridge Sensotec for this bespoke option.

Features

- Fast and accurate response, enhanced by internal pressure sensor
- Easy calibration procedure
- Low maintenance and long life sensor expectancy
- Two fully programmable alarm settings: high and low, open or closed relays
- Digital outputs and fully programmable analogue outputs
- Software package includes full control of the analyser, live graphing and Excel compatible data-logging
- Operates on any worldwide mains voltage (90-260VAC)
- Options of front or rear gas fittings and bezel mounts
- User-controlled, variable speed pump draws samples at a rate of 0-1 litres per minute
- Password protection feature

Applications

 **Chemicals**

 **Combustion**

 **Emissions**

 **Food**

 **Gas**

 **Glove Boxes**

 **Inert Gas Blanketing**

 **Manufacturing**

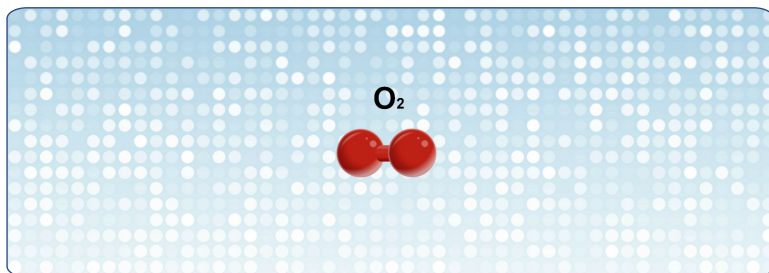
 **Medical & Pharmaceutical**

 **Metal Heat Treatment**

 **PCB Production**

 **Research & Development**

Gases



Specification

O₂ Zirconia sensor	1ppm to 100%
O₂ Electrochemical sensors	0.1ppm to 10,000ppm (1%) or 0-100%
Sample connections	4mm ID / 6mm OD nipple type Rectus or Swagelock Front or rear positioning
Warm-up time	3-5 minutes at 20°C
Voltage outputs	0-10V linear, user programmable
Digital outputs	RS232 (RS485 option available): data streamed on demand
Current outputs	4-20mA linear, user programmable
Max gas inlet pressure	1 Bar gauge
Max gas sample temperature	40°C
Operating temperature	5°C to 35°C
Optional pump	Choice of internal pumps. Please note that the ejector venturi vacuum pump option requires a separate compressed air source. Flow rate of 0-1 litres per minute, user selectable
Display	16 x 2 character (9mm) back-lit LCD
Voltage	90-260VAC, 50/60Hz
Analyser dimensions	Bench: 150mm(H) x 350mm(W) x 263mm(D) Panel: 300 x 4µ (177mm(H) x 300mm(W)) Multiplex: 150mm(H) x 263mm(W) x 250mm(D)
Weight	4kg

Accessories & Options

Calibration Gas and Servicing



Rapidox Multiplex Sampling System



Rapidox Panel Mount



Rapidox Gas Connections



Rapidox Rear Gas Fittings



Please contact Cambridge Sensotec for further information



Wed : www.saenchotesei.com

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

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