

## 7100 Multigas Analyser

The Rapidox 7100 Multigas Analyser is a high specification instrument designed for the analysis, control and monitoring of process gas in a wide range of industries.





Though highly configurable to suit individual customer requirements, the Rapidox 7100 range possesses a number of standard features to enhance functionality.

Up to six gases are simultaneously measured using a range of high precision gas sensors; each sensor is specifically designed and calibrated to avoid any cross-interference effects with the background process gas. Measurable gases include oxygen (O2), carbon monoxide (CO), carbon dioxide (CO2), ozone (O3), moisture (H2O), hydrogen (H2), hydrogen sulphide (H2S), nitric oxide (NO), nitrogen dioxide (NO2), nitrous oxide (N2O), sulphur dioxide (SO2), chlorine (Cl2), methane (CH4), ethylene (C2H4) and many more. View the sensor matrix for more information.

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 onscreen. Data is downloadable via USB memory stick, and 4GB of internal data storage allowance allows for approximately one year of continuous monitoring.

An optional pump enables two modes of operation. 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 a greater 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.

Available in both a 19" rack mountable case or a benchtop version.

Please contact Cambridge Sensotec for further information or to discuss your requirements.

- Bespoke sensor combination
- 7" full-colour touchscreen
- 19" rack mountable enclosure or benchtop
- Continuous data logging
- Multi-language
- Six programmable alarms
- Operates on worldwide mains voltage
- Password protection

## **Applications**





Biogas



Gas



Medical



Metal Heat Treatment



Research & Development





Combustion

Chemicals



Food



Manufacturing

Inert Gas Blanketing

Glove Boxes

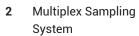
## **Accessories**













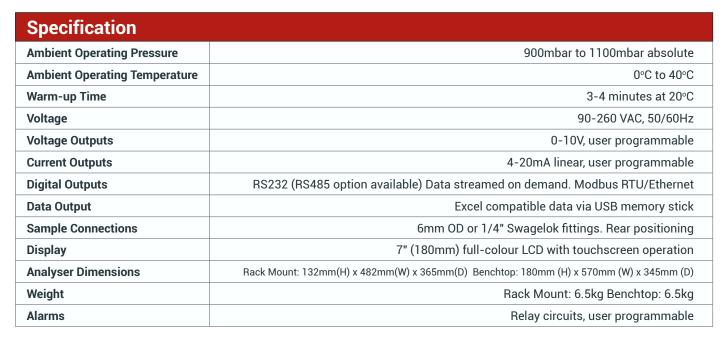














## Rapidox 7100 Sensor Matrix

J	Туре К	>36	+/- 1°C	N/A																					
S02	В	09<	+/- 1% FS	12																					
S02	EC	24	+/- 2% FS	12																					
NH3	EC	24	+/- 2% FS	12																					
롼	TCD	09<	+/- 1% FS	12																					
Ŧ	TCD	09<	+/- 1% FS	12																					
H2S	EC	24	+/- 2% FS	12																					
03	EC	12	+/- 2% FS	9																					
N20	IR	09<	+/- 1% FS	12																					
C2H4	Œ	09<	+/- 1% FS	12																					
N02	EC	12	+/- 2% FS	9																					
ON.	EC	12	+/- 2% FS	9																					
CI2	EC	12	+/- 2% FS	9																					
00	EC	24	+/- 2% FS	12																					
00	R	09<	+/- 1% FS	12																					
H20	CAP	>36	+/- 2°Cdp	12																					
CH4	Ш	09<	+/- 1% FS	12																					
C02	Œ	09<	+/- 1% FS	12																					
02	EC-L	12	+/- 2% FS	9																					
02	EC-E	09	+/- 1% FS	12																					
02	Zr	24	+/- 1% L0G	12																					
Gas	Sensor Type	Life Span (mth)	Accuracy	Cal. (mth)	0 -100%	%08 - 0	%09 - 0	%0E - 0	0 - 10%	%5-0	% - 0	%1 - 0	0 - 5,000ppm	0 - 3,000ppm	0 - 2,000ppm	0 - 1,000ppm	0 - 500ppm	0 - 250ppm	0 - 100ppm	mdd09 - 0	0 - 20ppm	0 - 10ppm	-65°C to +20°C	-100°C to +20°C	0 - 1250°C

Note: Not all sensor combinations are possible due to interference and cross-sensitivity effects. Please contact Cambridge Sensotec for advice

EC-E = Electrochemical Oxygen Sensor %

Zr = Zirconia Oxygen Sensor