



# Rapidox 1100Q

## Helium Gas Analyser

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The Rapidox 1100Q is a cost-effective helium (He) gas analyser fitted with a durable thermal conductivity (TCD) sensor. The sensor is carefully heated to 50°C to prevent any ambient temperature changes causing drifting. Specifically designed to analyse He in percent measurements, the Rapidox 1100Q is ideal for applications such as gas generation, cooling, inert gas blanketing, leak testing, welding & diving.

Configuration of the analyser allows for the instrument to be panel mounted with the gas fittings at either the front or rear.

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

Though highly configurable to suit individual customer requirements, the Rapidox 1100 range possesses a number of standard features to enhance

- Long life TCD sensor
- Fully configurable software
- Fast and accurate response
- Simple calibration procedure
- Data logging
- Pump or ejector option
- Two programmable alarms
- Operates on worldwide mains voltage
- Password protection

# Applications



Gas



Inert Gas Blanketing



Research & Development



Cooling



1 Calibration Kit

2 Multiplex Sampling System

3 Gas Recovery Bag



4 Thermal Printer

5 Calibration Service

6 Gas Filters

## Specification

He Sensor Range	0-10% or 0-100%
He Sensor Accuracy & Response	±1% of full scale. Approximately 20 sec for a 90% response
He Sensor Life Expectancy	Approximately 5 years
Ambient Operating Pressure	700-1300mbar absolute
Max Gas Pressure	500-1500mbar absolute
Max. Sample Gas Temperature	50°C
Ambient Operating Temperature	5°C to 35°C
Warm-up Time	5 minutes
Voltage	90-260 VAC, 50/60Hz
Voltage Outputs	0-10V, user programmable
Current Outputs	4-20mA linear, user programmable
Digital Outputs	RS232 (RS485 option available) Data streamed on demand. Modbus RTU/Ethernet
Calibration	Requires 2 user selectable gas compositions
Sample Connections	4mm ID/6mm OD nipple type. Rectus or Swagelok. Front or rear positioning
Display	20 x 4 character OLED
Analyser Dimensions	Bench: 150mm(H) x 253mm(W) x 272mm(D), Panel: 300 x 4µ (177mm(H) x 300mm(W)
Weight	3.5kg (4kg with bezel)
Pump Option	Main type diaphragm pump. Variable speed 0-1.2 litres per minute