

Scope of supply



1 Rapidox 2100-OEM-.3



2 Rapidox 2100-OEM-3(



Rapidox 2100-OEM-INS
(with panel mount option)



4 Rapidox 100-OEM 78



5 Rapidox 100-OEM MWJMSJWNTS

- The Zirconia sensor is factory calibrated for oxygen in a nitrogen atmosphere, but can be supplied, on request, for oxygen calibrated in argon, helium or other environments (an Electrochemical oxygen sensor option is available, if required).
- Windows software included for convenient access & programming.
- Optional auxiliary sensors: dewpoint / vacuum / pressure sensor / temperature.
- Optional Accessories: Sensor blocks (Stainless steel/Aluminium) with choice of connectors / clamps / vacuum flanges / filters / panel mounting / development kit (to access & program sensors without integrated display) etc.

Specification

O2 Sensor Range	10-20 ppm to 100% zirconia version. 10-26ppm extended range available on request
O2 Sensor Accuracy	±1% of the actual measured oxygen content OR 0.5ppm (whichever is the greater for measurements >0.5ppm)
O2 Sensor Response	4 seconds for a T90 step change @1L per min flow
O2 Sensor Life Expectancy	>17,000 hours
Calibration	N2/Ar/He/mixtures – pre-calibrated Sensors Available / inhouse calibrations supported
Versions	Board only / +DIN Rail / encased/ encased incl. OLED display / pumped incl. OLED display
Ambient Operating Temperature (electronics)	5-35°C 0-95% RH non-condensing
Ambient Operating Pressure (electronics)	800 to 1200mbar absolute (automatic pressure correction included)
Max Sample Gas Pressure (sensor)	Up to 10 bar gauge (200bar burst pressure)
Max Sample Gas Temperature (sensor)	650°C
Warm-up Time	~45 seconds at 20°C
Sensor Cable:	2m high temp as standard. Any length up to 25m available on request
Sample connections	Nipple / Swagelok (via sample block) / direct (via thread or vacuum flanges)
Outputs:	Analogue: 0-5V (0-10V on request) or 4-20mA / Digital: RS232/RS485 & Modbus RTU
Alarm	2 alarm relay circuits, fully user-configurable
Supply Voltage	24V VDC +/-0.1V
Power	~20W
Circuit Board Dimensions	114mm x 76mm (4.5" x 3")
Weight	OEM board 120g