

SDA - O₂

Analyser specification:

Analyser type: Fixed (3U rack or panel mount)
Power: 12-32V DC (optional mains to DC power supply)
Display: Full colour LCD
Operating temperature: -5 to +55 °C
Storage temperature: -10 to +70 °C
Pressure range: 700 to 1300 mBar
Humidity: 0 to 95% RH at +55 °C non-condensing
Dimensions: Rack mount variant:
Monitor - 106 x 129 x 31mm
Panel mount variant:
Monitor - 120 x 133 x 31mm

Weight: Monitor (rack mount DC only) - 595g
Monitor (panel mount DC only) - 665g
O₂ sensor unit - 99g
O₂ sensor unit (without mounting plate) - 161g
IP rating: IP22

Sensor Specifications:

Gas detected: Oxygen
Mode of operation: Electrochemical

Sensor range	Basic accuracy	Tempco
100%	±350ppm O ₂ ± 1% of reading	0.15% of reading per °C
3000mbar	±0.35mbar O ₂ ±1% of reading	0.15% of reading per °C

Recommended flow rate: 0.2 to 1.0 litres/minute
Display units: % O₂
Display resolution: 0.01% O₂
Alarms: 1 x high going, 1 x low going (fully adjustable)
Visual and audio warnings
Sensor life: 2 years in atmospheric air
IP rating: IP65
Outputs: RS485 serial data output
Optional outputs: 2 x relays (1 per alarm), volts free, changeover contacts
- max ratings: 125 VAC, 60 VDC, 1 A, 62.5 VA, 30 W
4 to 20mA isolated output (short circuit protected)
- max load resistance 500Ohms standard,
1K Ohms high compliance
System Approval: Certified to Lloyds TS1
Compliant to IACS E10 Rev 5 (IEC 60945), IMCA and NORSOK

