

# SDA - CO<sub>2</sub>

## 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 Sensor and flow panel - 106 x 129 x 194mm Panel mount variant: Monitor - 120 x 133 x 31mm Sensor and flow panel - 120 x 133 x 194mm
Weight:	Rack monitor unit (DC only) - 595g Rack CO <sub>2</sub> unit - 1393g Panel monitor unit (DC only) - 665g Panel CO <sub>2</sub> unit - 2081g
IP rating:	IP22

## Sensor Specifications:

Gas detected:	Carbon dioxide
Mode of operation:	Infra-red

Sensor range	Basic accuracy	Tempco
5000ppm	±25ppm CO <sub>2</sub> ±1% of reading	±2.5ppm CO <sub>2</sub> /°C
10,000ppm (1%)	±50ppm CO <sub>2</sub> ±1% of reading	±5ppm CO <sub>2</sub> /°C

Response time:	T90 in <30seconds
Warm up time:	40 seconds
Recommended flow rate:	0.2 to 1litres/minute
Display units:	ppm CO <sub>2</sub>
Display resolution:	1ppm CO <sub>2</sub>
Alarms:	2 x high going (fully adjustable) Visual and audio warnings
IP rating:	IP22
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 1 x 4 to 20mA Isolated output (short circuit protected) - max load resistance 500Ohms standard, 1kOhms high compliance
System approvals:	Certified to Lloyds TS1 Compliant to IACS E10 Rev 5 (IEC 60945), IMCA and NORSOK



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