

Divex SDA CO₂ Analyser



Introduction

The SDA CO₂ is a replacement for the G30 Carbon Dioxide Analyser.

The SDA CO₂ is a rack-mountable carbon dioxide monitor for commercial diving applications. It interfaces with a dual-beam infrared CO₂ sensor and provides audio-visual alarms, optional data-logging and 4–20 mA relay outputs. Carbon dioxide readings are displayed on a full-colour LCD. Alarm setpoints and calibration functions are configured through the front panel user interface. The monitor is normally located in saturation/dive control to help maintain a comfortable and safe chamber environment.

Specification

General	
Analyser type	Fixed (3U rack)
Power	12 to 32 V DC (optional mains to DC power supply)
Display	Full colour LCD
Operating temp	-5°C to +55°C
Storage temp	-10°C to +70°C
Pressure range	700 to 1300 mbar

Specification (cont.)

Humidity	0 to 95 %rh at +55°C non-condensing
Dimensions	Monitor - 106 x 129 x 31mm Sensor and flow panel - 106 x 129 x 194mm
Weight	Monitor (DC only) - 595g Sensor and flow panel - 1393g
IP rating	IP22
Sensor Specification	
Gas detected	Carbon Dioxide
Mode of operation	Infrared
Sensor range	5000 ppm
Basic accuracy	±25ppm CO ₂ ±1% of reading
Temp coefficient	±2.5ppm CO ₂ per °C
Response time	T90 in <30 seconds
Warm up time	40 seconds
Recommended flow rate	0.2 to 1 litre per minute
Display units	ppm CO ₂
Display resolution	1 ppm CO ₂
Alarms	2 x high going (fully adjustable) Visual and audio warnings
IP rating	IP22
System approvals	Compliant to Lloyd's Register, DNV, ABS, NORSOK and IMCA type approvals and design processes



Order Codes

Divex SDA CO₂ Analyser
DIVEXCO2