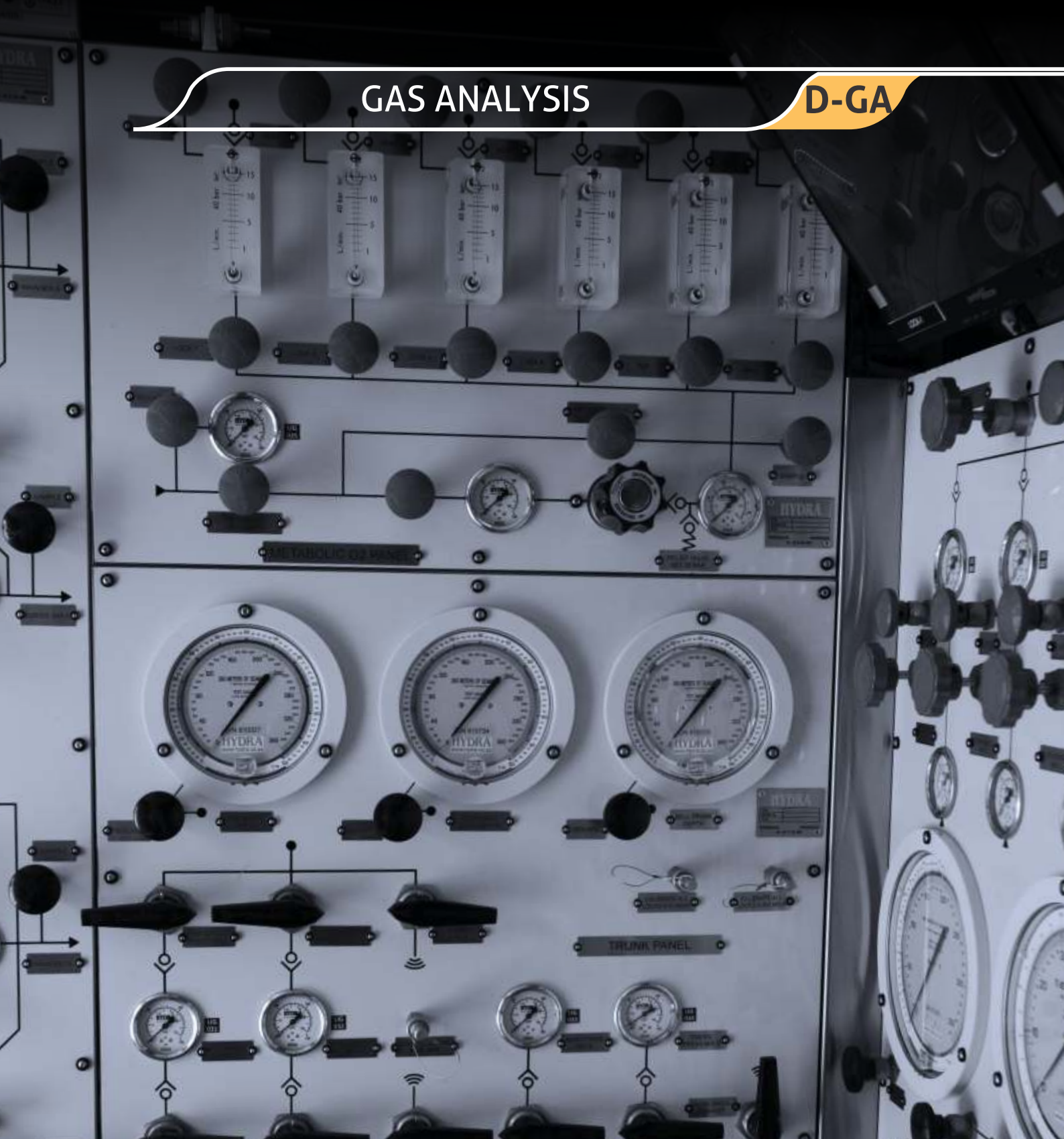


GAS ANALYSIS

D-GA



DIVESAFE, O₂ Analyser

Description:

The DIVESAFE O₂ Monitor is a device for measuring O₂ concentrations in breathable gas mixtures used in a variety of applications such as diving, medical and industrial environments.

Features:

- Display Type: 3 1/2 digit LCD
- Display Accuracy: 0.1% oxygen
- Range: 0-100%
- Resolution: ±1% of value displayed
- Update: 4 times per sec
- Response Time: <13 sec to 90% of final value @ 25°C
- Accuracy and Repeatability
Linearity Error: 3% relative 1% vol. O₂, when calibrated at 100% vol
- Manual Alarm Setting: High

- and Low O₂
- Automatic Alarm Setting: High and Low O₂ performed by monitor
- High O₂ Alarm Range: 19-101%
- High O₂ Alarm Range: 0-99%
- Low Alarm Indication: High frequency pulsed audible tone and flashing LED
- High Alarm Indication: Low frequency pulsed audible tone and flashing LED
- Alarm Silence: Audible Alarm with MUTE key

Specifications:

Length: 143mm
Width: 92mm
Depth: 40mm
Operating Temp.: 5°C, +30°C
Battery: 3 x AA / 1.5V alkaline batteries
Protection Class: IP40

Order Detail:

Divesafe O ₂ Analyser	D-GA-205
Replacement O ₂ Sensor for Divesafe O ₂ Analyser	D-GA-205-01
Divesafe O ₂ Analyser with Hydra MK II retrofit bracket	D-GA-262



Analox Safe Ox+ Room O₂ Analyser

Description:

The Safe-Ox+ is an O₂ enrichment and depletion monitor is a wall mounted unit ideal for use where there is either a threat of a potential leak or build-up of enriched O₂ which could pose a fire risk, or there is a potential risk of a leak or build-up of an inert gas such as nitrogen, argon or helium. The unit is available with an optional repeater unit.

Features:

- Digital display
- 0-25% oxygen range
- 3- Alarm modes
- Audible alarm

Specifications:

O₂ range: 0.1 – 25%

Sensor Accuracy:

> 0.75% over 5% – 25% O₂

± 1% over 0.1% – 25% O₂

Response Time (T90): 60 sec

Operating Temp.: 0 - 40°C

Temp. effect: 0.2% of reading /°C

Atmospheric pressure range:

811-1050mbar absolute

Warm up time: 10 sec

Dimensions: 175mm x 105mm x75mm

IP Rating: IP65

Sensor Type: Electro-Chemical Cell

Alarms:

2 x Alarm Visual Indicators

1 X System Fault Indicator

1 X Status Indicator

Common audible alarm

Output: 2 wire, 4 to 20mA (max load 150Ω)

Power Supply Options:

210 to 250 VAC

110 to 120 VAC

9 to 24 VDC



Order Detail:

Analox Safe Ox Room O ₂ Analyser	D-GA-407
Fuel Cell	D-GA-407-01

Analox SDA, O₂ Monitor

Description:

This Analyser is specifically designed for the saturation diving market and as a result have a familiarity and intuitive operation to suit deep diving shift patterns. It is located in the dive control room at ambient temperature and pressure. When supplied with a gas sample line from the living chamber, diving bell or gas delivery system, it can be configured to provide percent oxygen readings (%O₂). Calibration is quick and easy, using the adjustments on the front panel. The device is designed to be user serviced and maintained with minimal user downtime and is also recognisable world-wide by the majority of diving technicians, making it easy to use.

Specifications:

Panel Mount
Depth: 107mm
Width: 245mm
Height: 129mm
Temp Effect: $\pm 0.1\%$ of

readout/ $^{\circ}\text{C}$

Operating Temp: $0^{\circ}\text{C} - 60^{\circ}\text{C}$

Storage Temp: $-40^{\circ}\text{C} - 85^{\circ}\text{C}$

Relative Humidity (%@ $^{\circ}\text{C}$):

95 @ 40 non-condensing

Sensor Range:

0 - 100%, 0 - 3000mbar

Sensor Accuracy:

0 - 100%, $\pm 350\text{ppm O}_2$, $\pm 1\%$ of reading

0 - 3000mbar, $\pm 0.35\text{mbar O}_2$

$\pm 1\%$ of reading

Internal Battery Back-up:

5V 1.4 AH Nickel Cadmium, back-up time ± 1 hour min

Alarm Relay Outputs:

2 x Single pole change-over

1 Form A (15A 120VAC/24VDC)

1 Form C (10A1 20VAC/24VDC)

Configurable to be energised or de-energised when in non-alarm condition

Alarms: 2 x Audio/visual alarms, configurable as HI/HI or HI/LO.

Display: 4 - 1/2" digital red LED

Power Supply Options: AC input

85V-264V, DC input 12V-32V,

Input frequency 47-63Hz

6 Watts max power



Order Detail:

Analox SDA Oxygen Analyser	D-GA-206
Replacement oxygen Sensor for SDA Oxygen Analyser	D-GA-206-01

Analox SDA, CO₂ Monitors

Description:

The Analox SDA CO₂ Monitor is manufactured specifically for the hyperbaric and commercial diving industries. The Analox SDA CO₂ is located in the dive control room, at ambient temperature and pressure. When supplied with a gas sample line from the living chamber, diving bell or gas reclaim system the Analox SDA CO₂ will provide carbon dioxide readings in parts per million. The device features temperature and drift compensation. Calibration is quick and easy using the adjustments on the front panel. It has adjustable hi and low audio and visual alarms.

Specifications:

Panel Mount:
Depth: 235mm
Width: 240mm
Height: 133mm

Order Detail:

Analox SDA Carbon Dioxide Analyser	D-GA-207
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Rack Mount:
Depth: 235mm
Width: 212mm
Height: 129mm
Weight: 2.0kg
Sensor Range: 0-5000 PPM, 0-2%
Sensor Accuracy: 0-5000 PPM, ±25PPM CO₂, ±1% of reading 0-2%, ±2% of reading ±0.02%
CO₂ Sensor Type: Low power infra red
Zero Drift: <1% FS per week
Relative Humidity: 95% at 105°F (40 °C) non-condensing
Typical Response: 30 sec to 90% of reading
Sample Flow: 0.5lpm / .018cfm
Max Pressure - Sensor: ± 5PSIG / +350mbar
Outputs: 0 - 1V min load 10K ohms plus 4 - 20 mA internally powered
Input Connection: 1/4" MNPT



Analox SDA, CO Monitors

Description:

The Analox SDA CO Analyser is recommended for use with air diving systems and SAT diving, for monitoring the CO content in the gas supplied to the diver. The sensor can be mounted remotely from the SDA display panel. The Analox SDA CO may also be used in the compressor room on a ship. Calibration is quick and easy using the adjustments on the front panel. It has adjustable hi and low audio and visual alarms. Options are available for relay, 4-20mA outputs and battery back-up. The device is designed to be user serviced and maintained with minimal user downtime and is also recognisable world-wide by the majority of diving technicians, making it easy to

use. It accepts all known power voltages world-wide and is available in panel mount or rack mount.

Specifications:

Panel Mount:
 Depth: 245mm
 Width: 120mm
 Height: 133mm
 Rack Mount:
 Depth: 245
 Width: 107
 Height: 129
 Sensor Range Available: 0-20 PPM
 Sensor Accuracy:
 ±1PPM CO ±5.0% of reading
 Power Supply Options:
 AC input 85V - 264V
 DC input 12V - 32V
 Input frequency 47 - 63Hz



Order Detail:

Analox SDA Carbon Monoxide Analyser	D-GA-208
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Analox ADM Aspida, Combined O₂/CO₂ Analyser

Description:

The Analox ADM Aspida is a panel mount monitor that is IMCA compliant and offers readings for both oxygen (O₂) and carbon dioxide (CO₂). The ADM Aspida offers users a cost effective means of measuring these two gases within surface supplied diving operations, whilst being easy to install and maintain.

Accuracy:

CO₂: ±2% of full scale between 0.01 and 2.5% CO₂
 ±3% of full scale between 2.5% and 5% CO₂
 O₂: ±3% of full scale between 0.1 and 25% O₂
 IP rating: IP65
 Display: High-visibility, Organic Light Emitting Diode (OLED)
 Alarm Horn: 95dB @ 30cm (110dB – man-down alarm)
 Internal data log: 1 log every 30 sec for at least 7 days of continuous use
 Batteries: 2 x NiMH 2100 mAh AA batteries
 Battery lifespan: 2 years
 Battery charge time: 4.5 hrs (from flat)

Specifications:

Length: 127mm
 Depth: 44mm
 Width: 90mm
 Operating temp: -5°C to 50°C
 Operating pressure: Atmospheric pressure
 Sensor range: CO₂: 0.01-5%,
 O₂: 0.1 – 25%

Order Detail:

Analox ADM Aspida Combined O ₂ /CO ₂ Analyser- Panel Mount	D-GA-209
Replacement oxygen Sensor for ADM Aspida Combined O ₂ /CO ₂ Analyser	D-GA-209-01



Analox O2EII, Pro- Portable Nitrox Checker

Description:

The O2EII Pro is a portable nitrox analyser which is small, lightweight and rugged. It can easily be taken on all of your diving adventures. The O2EII Pro can be used to check the quality of your diving gas mix directly at the tank or through your BCD adaptor while in your harness.

Specifications:

Analyser Type: portable
Power: 9V PP3 battery x 1
Display: 4 digit LCD
Operating temp: -5°C to 50°C
Length: 130mm
Width: 70mm
Depth: 55mm
Weight: 225g
Accuracy: $\pm 1\%$ of reading,
 $\pm 0.2\%$ of O₂
Expected Life: 4 to 5 years in air



Order Detail:

Analox O2EII Pro-Nitrox Checker	D-GA-210
Replacement oxygen Sensor for O2EII	D-GA-210-01

HYP Portable PPO2 Meter

Description:

The HYP is housed in a compact, rugged housing and is simple to operate. The monitor accurately reads the partial pressure of O₂ from within the hyperbaric environment in line with safety requirements.

Features:

- Accurate and fast response to O₂ levels
- Compact and robust housing
- Easy to read large display
- Versatility since the HYP is suitable for use in diving bells, hyperbaric chambers, hyperbaric lifeboats and submarines

Specifications:

Range: 0.00 to 2.00bar ppO₂
Sensor response: <15 secs to T90
Power: 9V Alkaline (PP3)
Battery life: 1 month (800 hrs) continuous operation or 3 months operation for 8 hrs / day
Operating temp: 0°C to 40°C
Operating pressure: 0.8 to 60 bar absolute (+/- 600MSW / 2000FSW)
Length: 98mm
Depth: 36mm
Width: 64 mm
Weight: 200g



Order Detail:

HYP Portable PPO2 Meter	D-GA-211
Fuel Cell For Portable PPO2 Meter	D-GA-211-01

Hyper-Gas MKII, Analox Hydrocarbon/He/O₂ Monitor

Description:

This purpose-designed hydrocarbon gas analyser for use in hyperbaric environments, detects and warns divers of anaesthetic levels of hydrocarbons in the bell atmosphere. The monitor rapidly detects the presence of vapourised hydrocarbons, and activates the audible and visual alarms before the anaesthetic threshold is reached. The analyser operates to depths of up to 587m (1926ft.) and automatically corrects pressure and temperature effects ensuring optimum performance in this difficult environment. The gas alarm level is preset to 10% of the anaesthetic dose of vapourised hydrocarbons. For diving in areas where contamination is known to be 1 or 2 compounds, an alternative

alarm set point could be calculated by Analox. The internal sample pump ensures a fast response to hydrocarbons. This unit comes with a topside repeater that mimics the conditions inside the bell.

Specifications:

Length: 200mm
 Width: 100mm
 Height: 215mm
 Weight: 2.5 kg
 Compensated Temp: 41°F to 95°F (5°C to 35°C)
 Storage Temp: -4°F to 131°F (-20°C to 55°C)
 Humidity: 0 - 95% RH non-condensing
 Operating Range: Hydrocarbon, eg 0 - 30% Propane, Pressure: 1 - 60 barA
 External Power Supply: 8 - 30VDC



Order Detail:

Analox Hyper-gas MK2 Hydrocarbon Monitor	D-GA-212
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Drager Tube Pump

Description:

The Drager Accuro gas detector pump is a manually operated bellows pump that draws a calibrated 100 millilitre sample through the short-term Drager-Tubes. Its ergonomic design makes it easy to hold and an integrated stroke counter guarantees the correct working volume which shows up on a clear optical pressure operated display. The system is used for gas sampling from compressors and chambers via a gas sample bladder.

Features:

- One-hand operation
- Very low maintenance
- End-of-stroke indicator
- Built-in automatic stroke counter

Specifications:

Stroke volume: 100 ±5 cm³
 Length: 170 mm
 Width: 45 mm
 Height: 85 mm
 Weight: 250g
 Operation and storage temp: -20 °C to +50 °C
 Humidity: 0 to 95 % non-condensing



Order Detail:

Drager Tube Hand Pump- Accuro	D-GA-214
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Drager Gas Analysis Tubes

Description:

Drager Analysis Tubes are packed in sealed cartons of 10 tubes. Used in conjunction with the Drager Accuro Hand Pump, they provide analysis of gases such as: Carbon Monoxide, Carbon Dioxide, Oxygen, Oil Mist and Water Vapour. The ends of the glass tube must both be broken off, ideally with the tool contained in the test kit and then inserted into the pump. The

number of strokes to be made of the pump to provide the correct volume of gas is labelled on each packed. The concentration of the gas being measured is shown in parts per million (ppm) on the side of the tube.

Features:

- Easy to use and already calibrated
- Allows for quick measurement
- Compact gas analysis solution



Order Detail:

Drager Oxygen Test Tube	D-GA-215
Drager Carbon Dioxide Test Tube FULL 1	D-GA-216
Drager Oil Test Tube	D-GA-217
Drager Water Vapour Test Tube	D-GA-218