The newly released Drass product: **iAN4 GAS ANALYZER** is specifically tailored to the saturation and surface diving industry and for application in the medical industry also.

This advanced solution provides our clients with both a superior measuring accuracy and a robust hardware that consists of a Display and Remote Sensor Box, and comes completed with an embedded flowmeter, meaning the external one is not necessary for the correct operation of the system.

The iAN GAS ANALYZER is designed to:

- Be highly modular and flexible so that it can be easily integrated into customized atmospheric monitoring solutions.

- Obtain a stable and reliable Oxygen, Carbon Dioxide, Carbon Monoxide and Helium reading with clear audible and visual alarms, to warn when potentially dangerous levels are reached.

- Require little or no maintenance activity at all, setting it apart from other gas analyzers on the market.

A high resolution 4.3" resistive color touch screen display includes more than 30 intuitively arranged pages for a user-friendly experience. Users can choose to use the device

on its standard function, or to take advantage of advanced features that enable complete customization of the device.

Drass also maintains an available supply of spare parts and optional kits for this product, enabling easy parts replacement and prolonged product lifespan.

COMMERCIAL CODE	DESCRIPTION
97CD-01-04-01-00-00	O2 iAN Analyzer for Heliox
97CD-01-04-02-00-00	CO2 iAN Analyzer for Heliox
97CD-01-04-03-00-00	CO iAN Analyzer for Heliox
97CD-01-04-04-00-00	He iAN Analyzer for Heliox
97CD-01-04-05-00-00	O2 iAN Analyzer for Nitrox
97CD-01-04-06-00-00	CO2 iAN Analyzer for Nitrox

COMMERCIAL CODE	SPARE PARTS FOR DRASS iAN
97CD-01-04-08-01-00	Display MdP
97CD-01-04-08-02-00	Remote Board O2
97CD-01-04-08-03-00	Remote Board CO2
97CD-01-04-08-04-00	Remote Board CO
97CD-01-04-08-05-00	Remote Board He
97CD-01-04-08-06-00	Touchscreen stylus for display

DISPLAY FEATURES

- a touch stylus is supplied and stored in the display for convenient use
- USB port for software update or download/upload of configuration files via USB stick (no PC is required)
- Contains two analog outputs 4.20 mA for remote reading and three volt-free SPDT relay contacts to command solenoid valves devoted to self-calibration
- Contains four volt-free SPDT relay contacts for remote signaling – freely programmable linking to any one of the analyzer events (thresholds, alarms etc.)
- Internal loudspeaker for alarm tones
- Contains two 24VDC digital input for remote control
- RS 485 port for interfacing with remote pressure sensor for partial pressure reading
- Ethernet Port for interfacing with remote system (e.g. PLC/SCADA system)
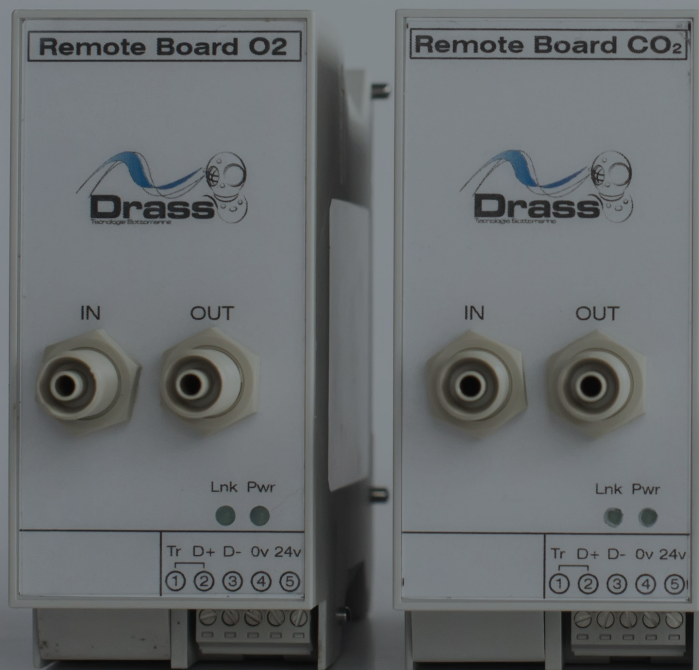
PHYSICAL CHARACTERISTICS	
Touch screen	4.3" high resolution 24 bit color resistive
Dimensions	106x129x26 mm
Weight	0,300 Kg
IP	20

ELECTRICAL CHARACTERISTICS	
Current consumption	350 mA
Power supply	24 Vdc

ENVIRONMENTAL DATA	
Operating temperature	+5÷55 °C (CLASS A)
Relative humidity	Up to 96% (CLASS A)
Vibration and EMC	CLASS A

REMOTE SENSOR BOX

The Remote Sensor Box included inside the analyzer set is the "heart" of the product containing all the sensing electronics: sensors for the selected gas, gas flow, temperature and barometric pressure.

With a reliable RS 485 interface, this allows the communication with the display and receives power from it – no additional power sources are required for its operation.

This small DIN bar mounted box can be conveniently installed close to the display or even at a few hundred meters distance.

Gas sensor accuracies are in accordance with DNV GL, ABS, LR and other classification societies diving rules for use up to 400 msw depth.

ENVIRONMENTAL DATA	
Operating temperature	+5÷55 °C (CLASS A)
Relative humidity	Up to 96% (CLASS A)
Vibration	CLASS A
EMC	CLASS A
O2 range	0÷100 %
CO2 range	0÷3000 ppm
CO range	0÷10 ppm
He range	0÷100 %
Flow range	0÷1 l/m

CLASSIFICATION

2014/30/UE (EMC Directive)
2011/65/UE (RoHS Directive)
IACS UR E10 (Unified Requirements - Test Specification for Type Approval)
EN 60945 (EMC)
IACS UR E10 (EMC, Temperature, Humidity, Vibrations)

OPTIONAL EXTRAS

Configuration Kit - provided to update the iAN firmware and can be used to upload/download the analyzer parameters.
Panel Mounting Kit - allows the panel mounting of the analyzer
Rack Panel Mounting Kit - contains a rack panel already assembled with display (maximum four displays allowed) and relative remote board.

PHYSICAL CHARACTERIST	
Dimensions	45x100x145 mm
Weight	0,200 Kg
IP	20

ELECTRICAL CHARACTERISTICS	
Powered by Display	

GAS INTERFACE CONNECTIONS	
4/6 mm (for flexible pipe)	

COMMERCIAL CODE	COMMERCIAL CODE
97CD-01-04-09-01-00	iAN - Configuration Kit
97CD-01-04-09-02-00	iAN - Panel Mounting Kit
97CD-01-04-09-03-00	iAN - Rack Panel Mounting Kit