

TAKE A DEEP BREATH

# ANALYZER He/O<sub>2</sub>

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Oxygen: 18.0%  
Helium: 40.0%  
Temperature: 20.2°C



HIGH ACCURACY  
AND RELIABILITY

# ANALYZER He/O<sub>2</sub>



**He/O<sub>2</sub> ANALYZER IS A PRECISE APPARATUS FOR MEASURING OXYGEN AND HELIUM CONCENTRATIONS IN DIVING BREATHING GASES. A NECESSARY TOOL FOR TECHNICAL DIVERS USING NITROX AND TRIMIX GAS MIXTURES.**

The analyzer is characterized by its high accuracy and reliability. This is thanks to an innovative solution. For measuring helium concentrations.

This technology works on the principle of measuring the speed of sound, thanks to which it is never necessary to replace the helium sensor.

Other benefits of the Divesoft analyzer are its additional functions and add-ons.

The Divesoft Analyzers have a built-in calculator for blending gasses. The apparatus can also be connected to a compressor for a continual-flow gas analysis of the oxygen concentration during blending. A warning alarm play can also be connected for automatic shut off of the compressor after surpassing critical values and with the aid of measuring modules it is possible to measure the electrical voltage and resistance.

This is especially useful for finding out the state of the diving lights and scooters.



The analyzer can identify some other gases and mixtures used for diving. In case of a hypoxic mixture without the presence of another inert gas other than nitrogen, it warns you not to breathe such gas through the text "FOUL AIR". It can also identify argon and in special setting measure its purity (presence of air).

# TECHNICAL SPECIFICATIONS

**Dimensions:** 82 × 200 × 37 mm (3 1/4 × 7 7/8 × 1 1/2 inches)

**Weight:** 720 g (1.6 lb)

**Oxygen concentration measurement range:** 0 to 100%

**Helium concentration measurement range:** 0 to 100%

**Measurement temperature:** 0 to +40 °C (32 - 104 °F)

**Mixture Pressure:** Consistent with ambient pressure, in the range of 700–1 100 millibars (20–32 inches of Hg) which corresponds to the standard atmosphere at an elevation in the range of 0 to 3 000 m (0–10 000 feet) above sea level.

**Recommended gas flow:** 0.2 l / min

**Basis of measuring the speed of sound:** 800 mm

**Oxygen sensor:** Teledyne R-22S or compatible

**Power source:** Rechargeable battery or 9V alkaline battery, type 6F22 or 12V adapter DC

**The connection dimensions of the sampler:** standard for a "DIN" valve (EN 144-2) for 200/300 bars (G 5/8 thread). Samplers with a connection to any standardized or common valves are available on request or as an optional equipment.

| STAND ALONE / KIT INCLUDES      | #8313<br>STAND ALONE KIT | #8315<br>SET BLENDER BASIC | #8316<br>SET BLENDER MAX |
|---------------------------------|--------------------------|----------------------------|--------------------------|
| #8312 Analyzer He/O2            | ✓                        | ✓                          | ✓                        |
| #8015 Watertight case           |                          | ✓                          | ✓                        |
| #3433 EVA case                  | ✓                        |                            |                          |
| #8012 Simple flow limiter       | ✓                        |                            |                          |
| #8021 Professional flow limiter |                          | ✓                          | ✓                        |
| #8009 Connecting hose           |                          | ✓                          | ✓                        |
| #8018 Ohmmeter                  |                          |                            | ✓                        |
| #8017 Voltmeter                 |                          |                            | ✓                        |
| #8014 Measuring cables          |                          |                            | ✓                        |
| #3026 Power adapter             | ✓                        | ✓                          | ✓                        |
| #8019 Spare parts               |                          | ✓                          | ✓                        |