
Expedition Oxygen Analyzer

OxyCheq's customers spoke and we listened. We heard they wanted a durable, compact oxygen analyzer with a user replaceable sensor, readily available batteries, a splashproof case and and at a reasonable price. With the introduction of the OxyCheq Expedition Oxygen Analyzer, we met this criteria and more.

We designed an electronic circuit that is easy to calibrate and uses a long life sensor. We used the newest and most reliable parts made and enclosed the electronics and sensor in a compact, sturdy, custom molded ABS case. The case, digital panel meter, potentiometer, on/off switch, and sensor, are sealed to protect the electronics inside the enclosure from harsh elements. It is splashproof.

The "Expedition" comes with a deluxe carrying case with foam cutouts to protect your investment. It also has room for other items such as the optional remote flow restrictor, batteries, or a sensor.

Both enriched air divers and technical divers will truly appreciate the compact size, durability, performance, ease of operation, reliability and sensor life.

We believe that we have set a new standard in performance, price and quality for oxygen analyzers for the diving community.

Standard Features

Easy Operation

Compact, durable, o-ring sealed, ABS case
Completely sealed "splashproof" unit
Built in flow restrictor
Gas calibration for air or pure oxygen
On/Off/On with backlight
Very easy sensor and battery replacement
Fast response, long life sensor
Temperature range 0-50C (32-122F)
Expected battery lifetime of 2 years

User replaceable inexpensive AAA batteries
Low Battery Warning
Resolution 0.1% O₂
Measurement Range 0.1-100% O₂
Deluxe carrying and storage case

Options/Replacement Parts

Expedition replacement oxygen sensor
BC LP Hose 1-2 Liter Flow Restrictor
Expedition Sensor Saver
Electronics Enclosure o-ring

The OxyCheq Expedition Oxygen Analyzer uses a removeable cap with a built-in flow restrictor. Although not necessary, you can also attach a 2-3 lpm flow restrictor to the sensor cap/flow restrictor if desired.

Calibration can be made in air or pure oxygen and takes seconds. Once the sensor is calibrated, analyzing gas is easy. The user simply opens the cylinder valve until a slow, constant hiss is heard, places the sensor cap restrictor over the gas, and waits for a constant reading. The case and cap are extremely durable and there are no pliable rings to wear out or parts to break off. The sensor cap/restrictor also has the ability to sense gas remotely with an optional flow restrictor that can connect to a low pressure bc hose.

Changing the sensor or batteries is very easy. When you remove the back of our case, all of the electronics are located on the front half of the case. There are no wires attaching the back to the front that can result in strains on the leads when replacing the sensor or batteries.

In limited light conditions and if desired, the user can flip on the backlight.

The OxyCheq Expedition Oxygen Analyzer was designed with simplicity in mind. Once out of

the box, the average user will be able to sample gas in minutes.

The "Expedition" was built to last and perform ... and it does. We did not take short cuts or use inferior parts to lower the quality of this unit, we simply took less profit. OxyCheq is known for our personal service and attention, we built the "Expedition" for you and have no doubt you will be extremely pleased with your purchase of this oxygen analyzer.

Before you purchase the Expedition, we ask that you compare the Expedition's features and price with other analyzers on the market. Some will say they are waterproof and they are not. Others will say they are small, they are not. Be a wise consumer, ask questions.

We are very confident you will be back.

Tax applies to CA residents.

