



**Liberty  
Head  
accessories 2**

## Fan for drying the head

Clever aid for drying the head, which was invented for CCR Liberty by Trevis Kersting. The fan is placed on the O2 sensors block (the head is placed upside down) a via a USB cable it is connected to the charger. Gentle breeze of a filtrated air fast and perfectly removes condensed moisture from the hydrophobic membranes of the sensors, part of the air is directed into the inside of the head, which is after a dive dewy as well.

(#8147)



## GPS and compass module

Additional electronic module, which is connected to the CCR Liberty head as a reduction between the head and one of the handset connectors. CCR Liberty software recongnizes the new module and offers its navigation functions.

Under water, the digital compass is available. Thanks to the placement of the compass sensor on the back of the diver, the compass shows the true direction of the swim, regardless of how the handset, on which the data from the compass is displayed, is turned. The compass data is also of course saved in the log.

On the surface (or on the boat) GPS functions are additionally available – they show the current position with the possibility of saving it, navigation to a chosen place for accurate swimming to the given area and last but not least also standard functions such as “Man Over Board”, which comes in handy when you drop something into water.

The GPS module functions are part of the CCR Liberty firmware, and are therefore continuously improved and updated, as is customary with CCR Liberty. (#8148)

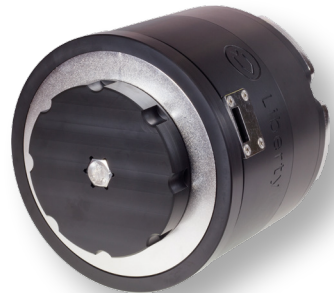
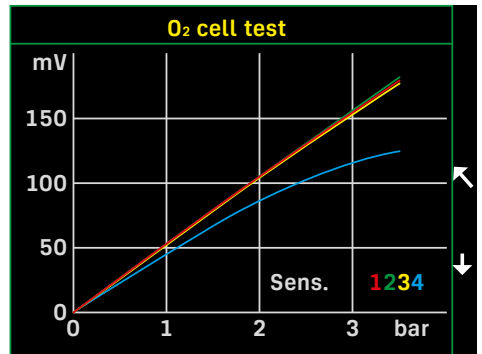
## Oxygen sensors tester

Every rebreather diver knows that the weakest part of the apparatus are the oxygen sensors. Their limited service life and changing characteristics based on time, exposition, climatic conditions and other variables pose a significant risk on the diver's life.

The testing set uses the CCR Liberty head, which it changes to an electronically controlled pressure chamber. It automatically measure values in 1.0 to 3.5 bar pressures. Thanks to the precise measuring it is easy to diagnose the usability of all the CCR Liberty sensors and discover any potential malfunctions, known among the divers as "current limiting".

(#8136)

On the picture there is a graph of the oxygen sensor measurement. Sensor number 4 is faulty, its curve isn't linear. Above partial pressure 1.8 bar, the non-linear measuring would occur and the sensor would show false lower values. Such sensor needs to be replaced as soon as possible, as diving with it could lead to a deadly accident.





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