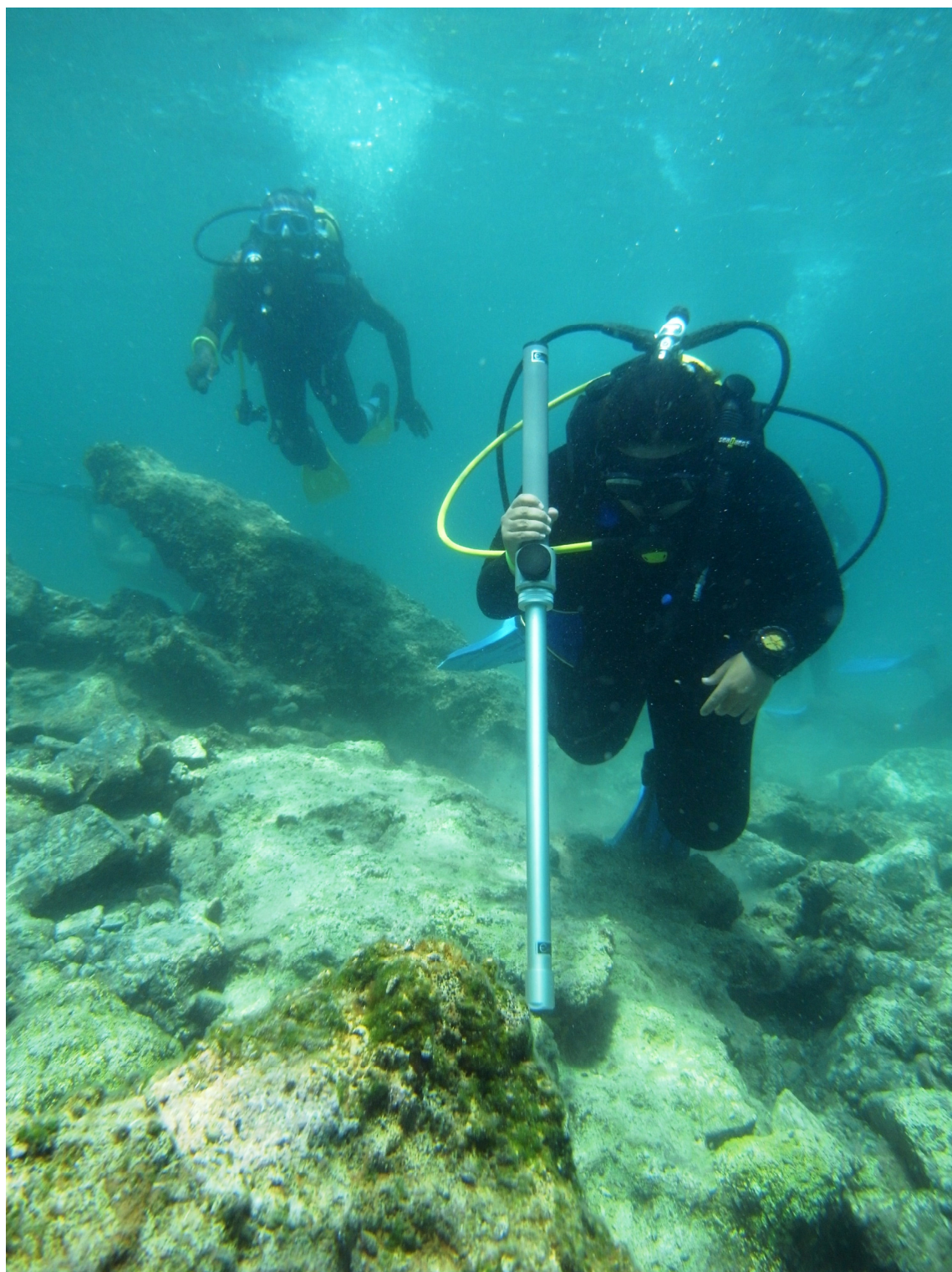


UNDERWATER MAGNETOMETER MAGNEX 130 B



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The MAGNEX® 130 B is a high sensitive magnetometer designed for underwater operation. It is used for detection of ferromagnetic targets and is suitable for the detection of explosive devices such as bombs, sea mines, ordnance and other targets like wrecks or parts of ships.

The MAGNEX® 130 B is very easy to handle and also simple to operate : one single rotary switch with 3 sensitivity levels. The target detection is indicated by audio alarm which varies in frequency and volume with the distance and the size of the target. When the polarity of the magnetic field inverts, the alarm's type changes (continuous sound or intermittent sound).



The magnetometer has three detection stages with different ranges of sensitivity.

In the first and least sensitive stage the device functions dynamically and - in the vicinity of ferrous metal objects - adjusts itself continuously to the background noise/interference.

In the second stage the device works in quasi-static mode. Here the adjusting to and suppressing of the external and undesired noise is carried out slowly. Thanks to the automatic adjustments carried out in these two detection stages the diver does not have to carry out adjustments on the device which naturally simplifies his work.

In the third stage the device works in static mode. In this stage the MAGNEX® 130 B possesses its maximum detection sensitivity. Naturally the range within which a particular ferro-magnetic object can be detected depends on the magnetic field strength of the latter.



TECHNICAL DATA

Power supply : battery 9 V type 6LR61 or lithium U9VL
 Operating time : approx. 20 h
 3 Sensitivity steps : 1000 nT - 300 nT - 50 nT
 Maximal resolution : 5 nT
 Audio signal : 0 to 4 kHz intermittent / continuous
 Temperature range : approx. -15 to +50 °C
 Dimension : total length approx. 1 m
 Weight : approx. 1,35 kg
 Pressure proof : up to 7 bar