

# UNDERWATER METAL DETECTOR MW 1630 B

**Please note:**

For technical reasons the electronics unit is delivered from July 2011 in sand colour (RAL 1002).



# Underwater Metal Detector MW 1630B

The Metal Detector MW 1630B is an approved and reliable device for the detection of metal objects on land and especially underwater. The presswatertight make enables the operation in fresh water, salt water, on the bottom of stretched waters down to 60 m of depth and on land.

The search head, the carrying bar, the arm rest, the handle and the evaluation electronics are meeting the highest demands in respect to the materials and the production quality.

The detector is equipped with a stream lined oval search head and together with the electronics strapped to the thigh, it is ideally designed for the diving mission. The requests of experienced pioneers and military divers after innumerable tests have formed the design. The carrying tube can be telescoped down to the length of one arm enabling the diver to swim close enough to the detectable objects and additionally use the other hand.

The MW 1630B suppresses the influence of salt water or mineralised soils to a great extent. In that way false alarms are prevented even when the search head is touching the ground.

For the operation on land the non-twistable telescopic carrying tube can be extended. The boost mode is increasing the sensitivity and the search head movement can be much faster. Objects close to each other are very well extinguished and individually indicated.

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## Reliable design

- light weight
- oval search head
- no electrical connectors
- protected internal search head cable
- non-twistable telescopic carrying tube
- non-magnetic headset
- presswatertight to 60 m
- alarm for water leaks
- sea water resistant



## Transportation and storage

The extreme rigid and splashwater-tight metal case allows safe transportation and long time storage. The cases are stackable.

All components of the detector are neatly placed in suitable compartments within the case. The moulded foam protection is sea water resistant.

## Start up and operation

fast and simple

- insert batteries
- switch to operating mode "underwater" or "land"
- switch volume to "high" or "low"
- close and tighten battery compartment
- switch ON and set sensitivity
- strap electronics to your thigh
- check function of the detector
- attach the armrest to the carrying tube
- attach the handle in a comfortable distance
- for land operation attach extension tube
- start operation

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After changing the batteries and for the basic settings the battery compartment has to be waterproof tightened. This can be done by the central lock. The evaluation electronics is located in a separate presswatertight chamber.



The battery compartment is holding the three standard batteries or three rechargeable batteries. In addition, the two switches for the operation mode and the two-step alarm volume are built in.





### Excellent detection

The outstanding detection range of the MW 1630B ensures the reliable detection of mines, unexploded ordnances and other metal objects. For example in operation mode »land« minimum metal mines like the T72A are indicated at a respectful distance. The oval shaped search head provides a very precise localisation of the object and separation between several objects detected. This shape also allows an easy searching in areas of dense vegetation and in the surf zone.

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automatic adaption to soil.

### Technical Data

Power Supply:	3 x 1,5 V standard battery IEC R20 (D-size) or 3 x 1,24 V Ni-Cd-rechargeable RSH 4 KR35/62	Operation:	
Operating hours:	24 – 40 h mode "under water" 15 – 25 h mode "land" depending on battery quality	Metal alarm:	acoustic
Detection speed:	"under water" 0,05 – 1 m/s "land" 0,30 – 1 m/s	Leak water alarm:	acoustic
Operating temperature:	0° to +35° C "under water" –31° to +55° C "land"	Battery check:	acoustic
Storage temperature:	–55° to +75° C	Volume:	2 steps: high/low
Test pressure:	7 bar	Operating mode:	"under water" "land"
Diving depth:	max. 60 m	Dimensions:	
		Search head:	170 x 305 mm oval
		Tel. carrying bar:	540 to 865 mm
		with extension:	540 to 1.450 mm
		Transport case:	782 x 300 x 142 mm
		Weights:	
		Under water:	approx. 1 kg
		On land:	3,9 kg
		Electronics with batteries:	2,4 kg
		Case, complete:	11,6 kg

# SEARCHING WITH EXCELLENCE