

## UNDERWATER METAL DETECTOR Type 5000



- Hand held for diver use
- Heavy-duty industrial build standards
- Pulse Induction
- Ferrous and non-ferrous metal detector
- Rechargeable batteries
- Reliable and robust

Elsec has more than 40 years expertise in the design and manufacture of metal detectors. Elsec was the world's first ever company to put the pulse induction technique of metal detection into commercial use as early as the 1960s. Continued development over the years has led to the introduction of the Elsec Underwater Metal Detector Type 5000. This highly practical, reliable and easy-to-use metal detector is ideal for use by professional and amateur divers alike.

# Features

## Enhanced Sensitivity

Using the pulse induction technique, the Model 5000 is able to offer a much higher level of sensitivity than most other metal detectors on the market today. It detects both ferrous and non-ferrous objects, even in high concentrations of metallic deposits, at considerable distances.

## Ease-of-Use

The Elsec 5000 has been designed with ease-of-use very much in mind. It is also easy to control, being nearly neutrally buoyant.

## Strong, Non-corrosive Construction

Each Model 5000 is tested to a depth of 200 meters and should be able to operate at greater depths. It is manufactured using PVC high-pressure mouldings and marine grade stainless fasteners so that it will not rust, even after many years of use.

## Rechargeable Batteries

The Elsec Underwater Metal Detector incorporates rechargeable Batteries, which allow continuous use for over fifteen hours. A solid state indicator lets you know how much 'life' the batteries have left.

## Three Methods of Indication

When a metal object is located, attention is attracted in three different ways: a ten step led scale and a variable frequency bone conductor earphone.

## Reliability

Elsec has used the very latest electronic components in the manufacture of its Underwater Metal Detector to ensure first class reliability and ease-of maintenance. Should anything go wrong, then the printed circuit board can be quickly and easily changed on site.

## Detection Ranges

The detection range of all metal detectors depends upon the size, type and shape of the metal. The following table gives an indication of the detection distances achieved by the Elsec Metal Detector Type 5000:

Silver Dollar	35cm (14")
1 Kg Gold	50cm (20")
3.5 Kg Steel	60cm (24")
Cast Iron Manhole Cover	1m (39")
Truck	1.2m (48")

## SPECIFICATIONS

Detection method	Pulse Induction
Depth limit	200 meters
Coil size	25cm (10")
Indication	10 position led scale with auto brightness control Variable frequency bone conductor
Controls	Single knob
External connections	Single 4 pin connector for battery charging
Battery	NiMh 7.2V, 2AH with built in temperature sensor and thermal fuse
Battery charger	Input: 100-240V, 50-60Hz, 0.4A, Output: 12VDC 1A
Battery life	15+ hours
Battery recharge time	2.5 hours
Dimensions	Fully assembled: 112cm (44") long x 28cm (11") max Folded: 75 x 28cm (29" x 11")
Weight in air	2.2Kg (4.8lb)
Weight in water	0.5Kg (1 lb)
Temperature limits	Operating: 0 to 50°C (32 to 122°F) Storage: 0 to 85°C (32 to 185°F)

## LITTLEMORE SCIENTIFIC ENGINEERING (ELSEC)

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