

## UWEX® 725 K

### UW-Metal detector

- Highly sensitive, versatile underwater detection system
- Modular design
- Various search heads
- Foldable large search head
- Detects ferrous and non ferrous metals



## General

EBINGER metal detectors represent trend-setting technology, reliability and prime quality in the field of underwater metal detection. The new version of UWEX® 725 K represents the latest, most versatile underwater metal detection system. The search system can be supplied in individual configurations to meet diverse customer needs in underwater search for objects with metal content. The index K indicates the modular combination of different components in one set. The standard metal detector configuration can be enhanced by optional accessories not only to suit for the location minimum amounts of metal but also for deep search after UXO and large sized objects buried deep in the seabed. The new UWEX® 725 K gives improved detection performance and a wide auto-adaptation to interfering metal components in the diving gear. The electronic circuitry can be tuned internally with a stepping switch offering 6 settings according to customer's preference in suppression of smaller metal objects. Apart from the commercial version a NATO codified model in service with NATO is available.

## Mode of operation

The UWEX® 725 K operates, like other – active – UWEX® detectors, on the Pulse Induction Principle of the German engineer Claus Colani.

EBINGER, in the possession of these patents, became the first manufacturer of PI detectors in Germany. The PI mode can be compared to an echo principle. The detectors transmit short electromagnetic pulses which cause electromagnetic response signals in the metal objects. These response signals show a short or long decay time depending on the nature of the metal object. The response signals are detected, processed and transformed into an audio signal. Target acquisition is indicated as visual alarm or as an audible and visual alarm. The silent mode (alarm by LED only) allows a cable free detector operation if underwater visibility allows. In certain tasks it is also a safety feature.

## Constructional features

The UWEX® 725 K consists of following main components:

- Search head with swivel joint Ø 230 mm
- Extension rod 580 × 30 mm
- Electronic cylinder with LED, switch for OFF and 3 sensitivity ranges, headset socket
- Single sided headset with curled connection cable and plug
- Transport bag



## Optional accessories

- |                       |                                   |   |  |
|-----------------------|-----------------------------------|---|--|
| ① Search head         | ⑤ Headset                         | ⑨ Foldable large head Ø 800 mm (preferably for fresh water application) | ⑪ Armrest                                  |
| ② Electronic cylinder | ⑥ 6 x 1,5 V Mignon type AA (LR 6) | ⑩ Handgrip  | ⑫ Transit & storage case with foamed liner |
| ③ Extension rod       | ⑦ Carrying satchel                |   |  |
| ④ Operation manual    | ⑧ Test plate                      |   |  |

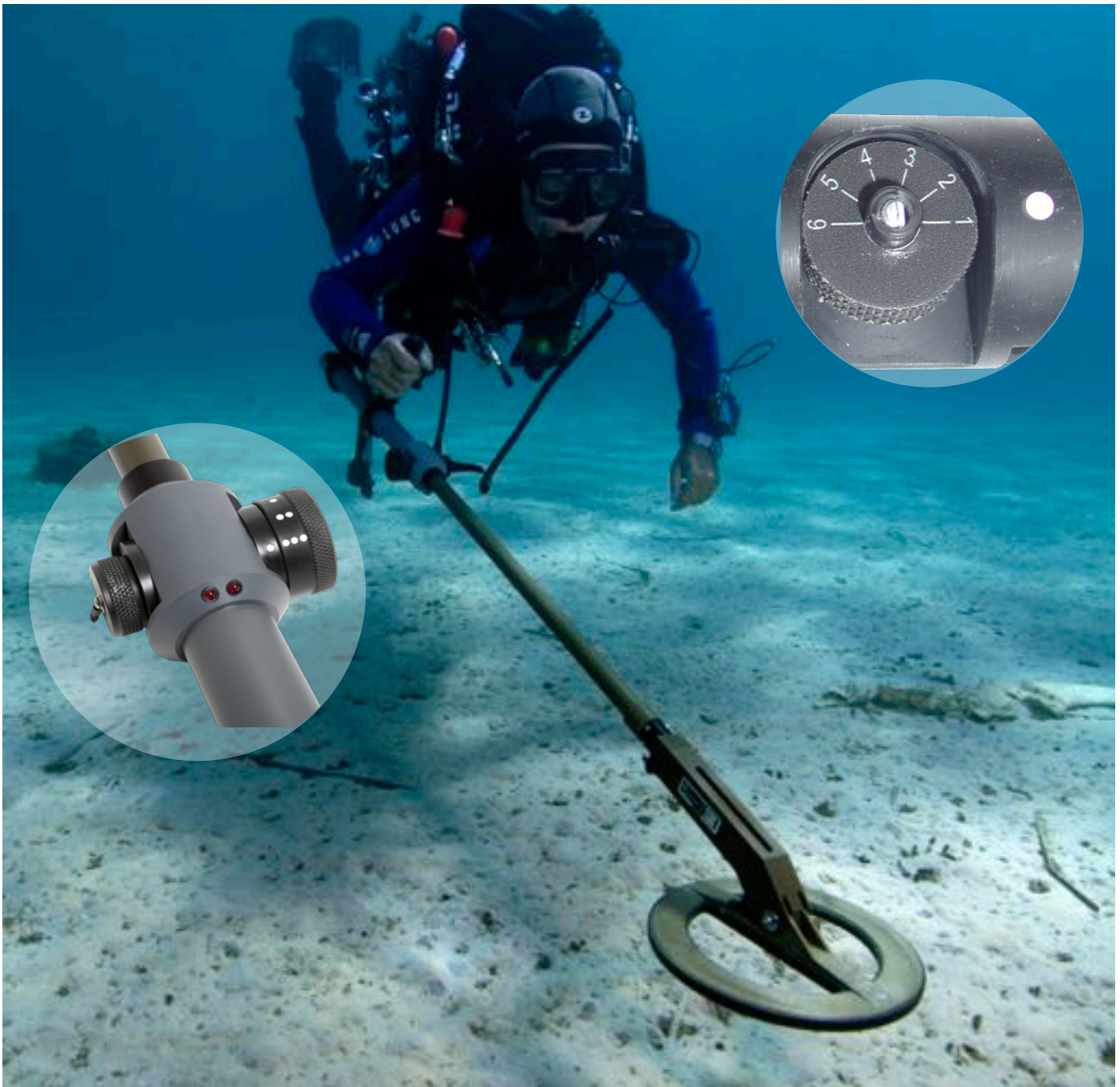
All components are interchangeable between other detectors of the same kind. The large search heads expand the detection range on medium to large sized objects and supersede those of the standard detectors substantially.

### Operating modes

- Two dynamic modes
- One static mode
- Six delay for detection of smaller or larger objects

### Technical Data

<b>Power supply</b>	6 x 1,5 V Mignon type AA (LR 6) or its rechargeable version
<b>Operation time</b>	disposable battery approx. 22h - 24h rechargeable battery approx. 20h - 22h
<b>Temp. -range</b>	approx. -20 °C to +60 °C
<b>Dimensions approx.</b>	search head Ø 230 mm large head Ø 800 mm (fresh water preferably) electronic cylinder 40 x 535 mm extension rod length 580 x Ø 30 mm
<b>Length overall</b>	approx. 2.000 mm
<b>Pressure test</b>	approx. 7 bar
<b>Weight</b>	approx. 1,8 kg





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