

Metal Detector

 vallon.de

VMH3CS

Metal Detector with
Exchangeable Search Coil

Searching with Excellence



VMH3CS – Metal Detector

Metal Detector with Exchangeable Search Coil

The VMH3CS metal detector has been developed especially for professional mine clearance as part of military and humanitarian assignments. It has been proven to be a highly reliable and mechanically rugged tool for a wide variety of tasks around the globe. This is especially true of use in highly mineralized soils.

Its mechanical design guarantees low-fatigue work, even during assignments lasting several hours. The VMH3CS can also be optimized through exchangeable search coils for various detection scenarios.

- ✓ Optimized ergonomics for long-term operation in military demining and humanitarian mine clearance
- ✓ High sensitivity combined with high-efficiency soil compensation
- ✓ Flexible application optimization thanks to exchangeable search coils
- ✓ Easily noticeable metal alarm indication (audio/visual/vibration)
- ✓ Button operated pinpoint function



VMH3CS – Data Sheet

Technical Data and Features

TECHNICAL DATA

Sensor	Active search coils Oval 30.8 x 17 cm (12.12 x 6.70 in) UXO search coil Ø 30 cm (Ø 11.81 in) UXO search coil Ø 60 cm (Ø 23,62 in) Stick probe
Alarm signal	Visual (LED)/audio/vibration
Watertight	4 m (1 h at 20 °C)
Dimensions*	Backpack – Standard: 55 x 28 x 15 cm (21.65 x 11.02 x 5.90 in) Case: 55.5 x 35 x 23 cm (21.85 x 13.78 x 9.05 in) <i>*Tolerance ± 3 %</i>
Ambient conditions	In accordance with MIL-STD-810F (F501.4-I, II, F502.4-I, II, F503.4-I, F506.4-III, F512.4-II, F516.5-IV)
Ambient temperature	-31°C – +63°C (-24°F – +145°F)
Storage temperature	-51°C – +71°C (-60°F – +160°F)
Weight*	Detector with/without standard battery 2.5 kg (5.57 lbs) / 2.1 kg (4.65 lbs) Basic package – Detector in backpack including standard scope of delivery 3.4 kg (7.5 lbs) Basic package in case 9.0 kg (18.85 lbs) <i>*Tolerance ± 10 %</i>
Disposable/ rechargeable battery	3 x Mono LR20 1.5 V alkaline battery – Standard 3 x Mono HR20 1.2 V NiMH rechargeable battery
Disposable/rechargeable battery operating time*	Alkaline batteries: About 25 h NiMH rechargeable batteries (10,000 mAh): About 28 h <i>*Ambient temperature of about 20 °C, LR20: Varta Industrial, HR20: NiMH rechargeable batteries.</i>

Subject to changes that serve technical progress.

FEATURES



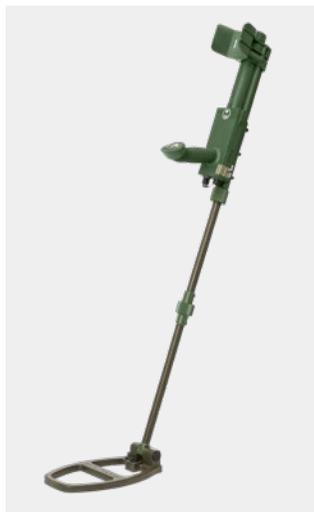
Exchangeable search coil



Automatic soil compensation
for an effective false alarm reduction
in mineralized soils

Scope of Delivery VMH3CS

Basic package | Item No. 2002360411



Metal Detector VMH3CS



Backpack VMH3CS
Item No. 8902360007



Test piece with adjustment plate for
brake screw
Item No. 2909990733



Alkaline battery 1.5 V Mono LR20,
3 ea.
Item No. 5910001006S3



Operation manual VMH3CS
Item No. 2902360406_EN



Field manual VMH3CS
Item No. 2902360407_EN



Backpack packing sketch VMH3CS
Item No. 2902360408



USB flash drive with versions of
other languages in PDF format

Accessories

Metal Detector VMH3CS



Case VMH3CS
Item No. 2802360101



Search coil VMH3CS/VMXC1, oval
Item No. 2902360101



UXO search coil, Ø 60 cm
Item No. 2902360111



Bag UXO search coil large, olive
Item No. 8702360002



Universal case UXO search coil large
Item No. 2802360102



Cover for search coil, oval
Item No. 8902293002



Arm strap
Item No. 8909990832



Stick probe VMH3S
Item No. 2802360002



Headset VMC1/VMH3CS/VMXC1-1
Item No. 2909990571



Headset adapter 6 Pole,
3rd generation
Item No. 2909990751



External battery charger
100-240V/50-60Hz, 12V
Item No. 2909990847



Alkaline battery 1.5 V Mono LR20
Item No. 5910001006



Rechargeable battery NiMH 1,2 V
Mono HR20/10.000 mAh
Item No. 5920001006



Rechargeable battery NiMH 1,2 V
Mono HR20/10.000 mAh, 3 ea.
Item No. 5920001006S3

VALLON – A strong Partner

Experience is irreplaceable

As a family-run business from Eningen in Germany we became a global player within the field of explosive ordnance detection and the assessment of contaminated sites. All our activities focus on providing our customers with the best product for the respective application.

✓ GUIDANCE

From the initial contact to the selection of the optimal detector system and to the point of the professional start of operation – VALLON accompanies the complete process and supports you in a competent and professional manner.

✓ SOFTWARE

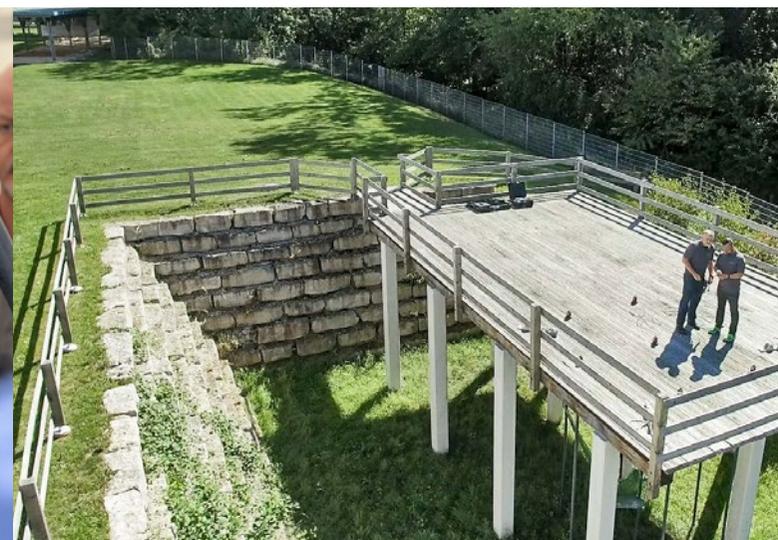
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

✓ DETECTORS

Our product portfolio includes efficient solutions for detecting mines, improvised explosive devices (IEDs) and unexploded ordnance (UXO) – for the use on land, underwater and in boreholes.

✓ TRAINING

In order to optimally prepare the user for their daily work VALLON offers custom-tailored training. The training courses can take place upon agreement on site or directly at VALLON in Eningen, Germany.





THE PATH TO BECOMING A GLOBAL PLAYER

With the number and complexity of humanitarian crises on the rise, the challenges involved in demining and ordnance clearance also increase. Explosive ordnance poses a threat to the lives and livelihoods of people living in crisis regions. Despite long-term, considerable effort in the countries with the clearance of contaminated territory, the danger has still not been eliminated in many places. VALLON metal detectors provide valuable assistance.

Learn more under
www.vallon.de/en/history

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