

Metal Detector

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# 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

<b>Sensor</b>	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
<b>Alarm signal</b>	Visual (LED)/audio/vibration
<b>Watertight</b>	4 m (1 h at 20 °C)
<b>Dimensions*</b>	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>
<b>Ambient conditions</b>	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)
<b>Ambient temperature</b>	-31°C – +63°C (-24°F – +145°F)
<b>Storage temperature</b>	-51°C – +71°C (-60°F – +160°F)
<b>Weight*</b>	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>
<b>Disposable/ rechargeable battery</b>	3 x Mono LR20 1.5 V alkaline battery – Standard 3 x Mono HR20 1.2 V NiMH rechargeable battery
<b>Disposable/rechargeable battery operating time*</b>	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



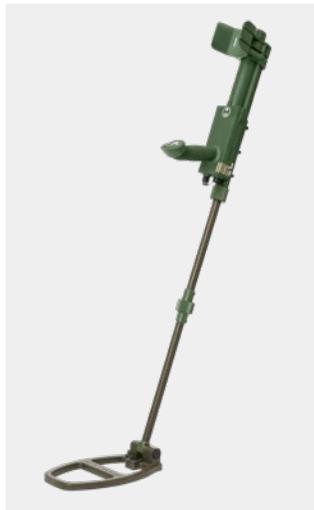
Exchangeable search coil



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

# Scope of Delivery VMH3CS

Basic package | Item No. 2002360411



Metal Detector VMH3CS



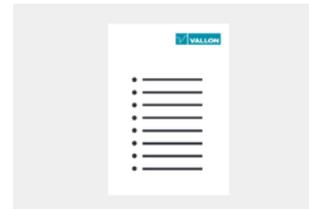
Backpack VMH3CS  
Item No. 8902360007



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



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



Operation manual VMH3CS  
Item No. 2902360406



Field manual VMH3CS  
Item No. 2902360407



Backpack packing sketch VMH3CS  
Item No. 2902360408

# 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

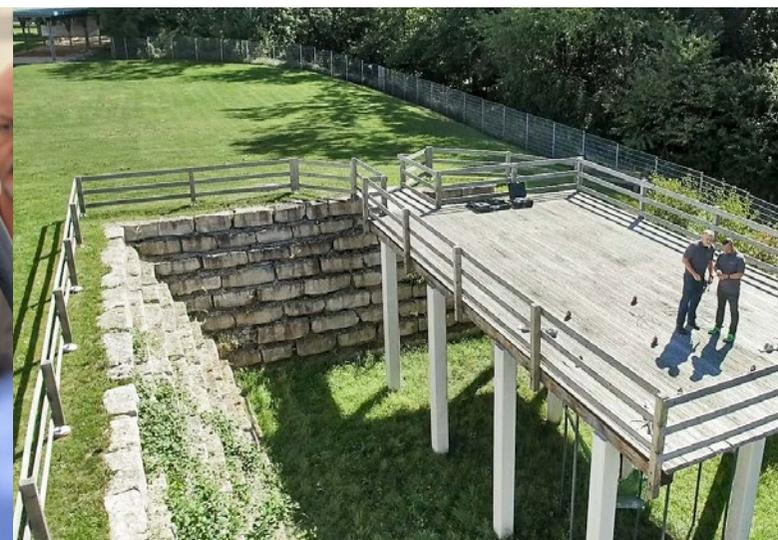
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

### ✓ 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](http://www.vallon.de/en/history)

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