

Metal Detector

 [vallon.de](http://vallon.de)

# VMXC1-3

Metal Detector for  
Submunitions and UXO



*Searching with Excellence*



# VMXC1-3 – Metal Detector

## Metal Detector for Submunitions and UXO

The VMXC1-3 UXO detector has been developed specifically for the detection of relatively large objects containing metal, such as submunition, grenades and shells.

The special VALLON UXO firmware provides the basis for use in this demanding field of application. This supports the discrimination of ferrous from non-ferrous metal.

The well-balanced mechanical design ensures low-fatigue work, even during assignments lasting several hours. The VMXC1-3 is especially well-suited to work in very lateritic mineralized soils that trigger too many false alarms for magnetometers.

- ✓ Optimized ergonomics for long-term operation in humanitarian and military ordnance removal
- ✓ VALLON UXO Optimization
- ✓ Differentiating ferrous and non-ferrous metals
- ✓ High-efficiency soil compensation
- ✓ Easily noticeable alarm indication (audio/visual/vibration)
- ✓ Button operated pinpoint function



# VMXC1-3 – Data Sheet

## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Active search coil UXO search coil, Ø 30 cm (Ø 11.81 ") – Standard UXO search coil, Ø 61 cm (Ø 23.62 ")
<b>Alarm signal</b>	Visual (LED)/audio/vibration
<b>Watertight</b>	IP68, 4 m (1 h at 20°C)
<b>Dimensions*</b>	Backpack – Standard 53 x 32 x 15.5 cm (20.87 x 12.60 x 5.90 ") Case 65 x 50 x 25 cm (25.59 x 19.68 x 9.84 ") <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>Weight*</b>	Detector with/without standard battery 2.7 kg (5.95 lbs) / 2.3 kg (5.07 lbs) Basic package – Detector in backpack including standard scope of delivery 4.2 kg (9.25 lbs) Basic package in case 11.4 kg (25.13 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>

### FEATURES



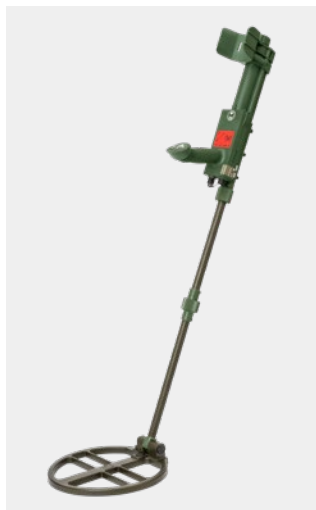
Exchangeable search coil



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

# Scope of Delivery VMXC1-3

Basic package | Item No. 2002530411



Metal Detector VMXC1-3



Backpack VMXC1-3  
Item No. 8902530002



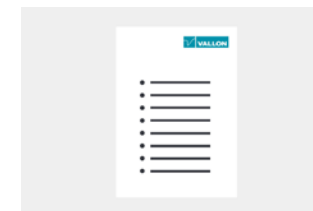
Test piece "ferrous"  
Item No. 2902530005



Test piece "non-ferrous"  
Item No. 2902530018



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



Operation manual VMXC1-3  
Item No. 2902530008



Field manual VMXC1-3  
Item No. 2902530009



Backpack packing sketch VMXC1-3  
Item No. 2902530010

# Accessories

## Metal Detector VMXC1-3



Case VMXC1-1  
Item No. 2802530002



Search coil VMH3CS/VMXC1, oval  
Item No. 2902360101



UXO search coil, Ø 61 cm  
Item No. 2902360111



Bag UXO search coil large, olive  
Item No. 8702360002



Universal case UXO search coil large  
Item No. 2802530001



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



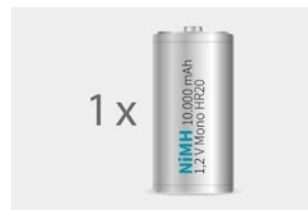
Headset adapter 6 Pole,  
3rd generation  
Item No. 2909990751



External battery charger  
100-240V/50-60Hz, 12V  
Item No. 5900001010



1 x Alkaline battery 1.5 V Mono LR20  
Item No. 5910001006



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



3 x 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

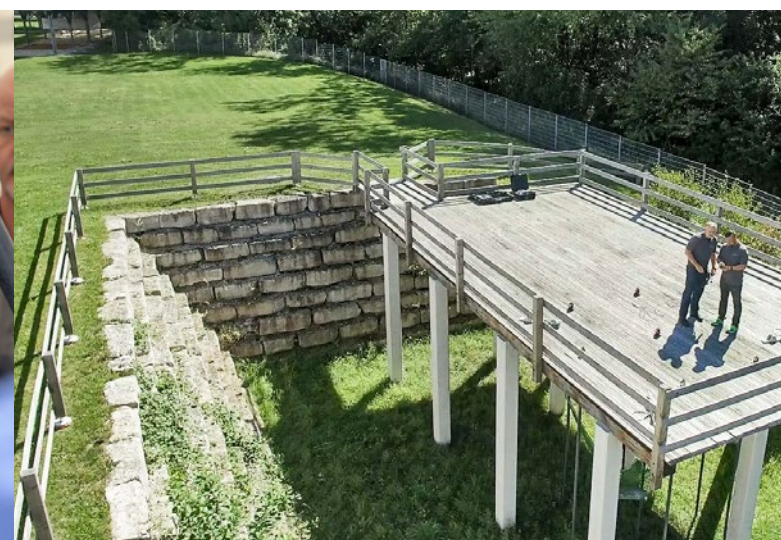
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

### ✓ 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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