

Metal Detector

 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

Sensor	Active search coil UXO search coil, Ø 30 cm (Ø 11.81 in) – Standard UXO search coil, Ø 61 cm (Ø 23.62 in)
Alarm signal	Visual (LED)/audio/vibration
Watertight	IP68, 4 m (1 h at 20°C)
Dimensions*	Backpack – Standard 53 x 32 x 15.5 cm (20.87 x 12.60 x 5.90 in) Case 65 x 50 x 25 cm (25.59 x 19.68 x 9.84 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 2.7 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>
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



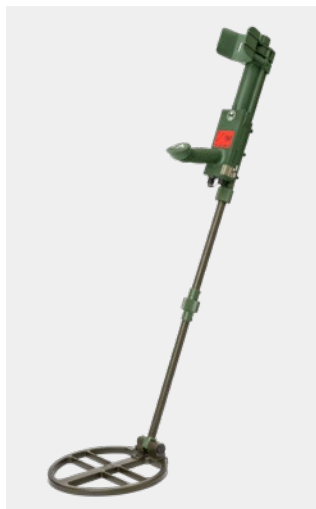
Exchangeable search coil



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

Scope of Delivery 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



3x 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. 2802530003



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. 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. 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.

✓ DETECTORS

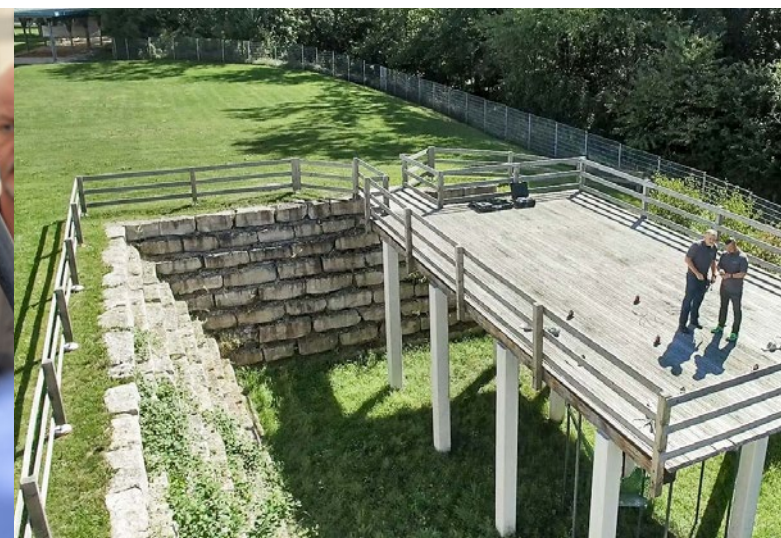
Our product portfolio includes efficient solutions for detecting mines, improvised explosive devices (IEDs) and unexploded ordnance (UXO) – for the use on land, underwater and in boreholes.

✓ 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.

✓ 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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