

Dual-Sensor Detector

 vallon.de

VMR3

Dual-Sensor Detector with LED Display



Searching with Excellence



VMR3 – „Minehound“ Dual-Sensor Detector

Dual-Sensor Detector with LED Display

The VMR3 „Minehound“ dual-sensor detector is internationally proven. It is ideal for the simultaneous detection of metal and metal-free objects. This is a decisive advantage e. g. for the detection of IEDs.

Two different audio signals help the user distinguish between the ground-penetrating radar (GPR) and metal detector (MD). The MD provides a simple alarm while the GPR supplies acoustic information on the depth and dimension of the object. Based on the settings, the audio signals are visually supported by the LED display.

The VMR3 is also characterized by its mechanical features: The use of carbon and glass fiber-reinforced plastic makes it extremely rugged and durable.

It meets high standards for military mine clearance and humanitarian demining.

- ✓ Dual-sensor search head with metal detector (MD) and ground-penetrating radar (GPR)
- ✓ Rugged mechanical design with high-quality carbon telescoping carrying bar
- ✓ High sensitivity combined with high-efficiency soil compensation
- ✓ Detection of minimum metal and metal-free objects such as improvised explosive devices (IEDs)
- ✓ Easily noticeable alarm indication (audio/visual/vibration)



VMR3 – Data Sheet

Technical Data and Features

TECHNICAL DATA

| | |
|--|--|
| Sensor | Dual-sensor search head Metal detector (MD) and ground-penetrating radar (GPR) 31.5 x 18 cm (12.40 x 7.09 in) |
| Alarm signal | Visual (LED)/audio/vibration |
| Watertight | IP68, 1.5 m (1 h at 20 °C) |
| Dimensions* | Case 102 x 43 x 17 cm (40.15 x 16.93 x 6.70 in) <i>*Tolerance ± 3 %</i> |
| Ambient conditions | In accordance with MIL-STD-810G (501.5-I, II, 502.5-I, II, 503.5, 506.5, 512.5, 514.6-C-II & C-VI, 516.6) |
| 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 4.0 kg (8.82 lbs) / 3.54 kg (7.80 lbs) Basic package – Detector in case including standard scope of delivery 14.60 kg (32.19 lbs) |
| Disposable/ rechargeable battery | 1 x VAP3 7.4 V/5.4 Ah lithium polymer rechargeable battery – Standard 4 x Mono LR20 1.5 V alkaline battery |
| Disposable/rechargeable battery operating time* | VAP3 lithium polymer rechargeable battery: About 8.5 h Alkaline batteries: About 6.5 h <i>*Ambient temperature of about 20 °C, LR20: Varta Industrial, VAP3.</i> |

FEATURES



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



Detection of IEDs



Detection of wires and cables

Scope of Delivery VMR3

Basic package | Item No. 2002830010



Dual-Sensor-Detektor VMR3



Case VMR3
Item No. 2902830064



Test piece "GPR-Flush"
Item No. 2902440095



Test piece "GPR-Deep"
Item No. 2902440094



Test piece "Minehound-Flush"
Item No. 2902440075



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



Headphone VMR3/VMR3G/VR1
Item No. 2902440026



Arm strap
Item No. 8909990832



Shoulder straps with pads VMR2/
VMR3/VR1
Item No. 2902440123



Rechargeable battery block VAP3
Ambient temperature: -31°C – +63°C
Storage temperature: -20°C – +35°C*
Item No. 2902830035



Battery compartment VBH3
Item No. 2902830080



Battery charger VAP3
Item No. 2902830018



Power adapter for battery
charger VAP3
Item No. 2902440126



Charging cable for 12V/24V vehicle
plug socket
Item No. 2502440006



Universal power plug adapter
Item No. 9150006102



Alkaline battery 1.5 V Mono LR20,
4 ea.
Item No. 5910001006S4



Operation manual VMR3
Item No. 8902830071



Field manual VMR3
Item No. 8902830072

*Attention: Storage for 6 months

Accessories

Dual-Sensor Detector VMR3



Alkaline battery 1.5 V Mono LR20
Item No. 5910001006

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

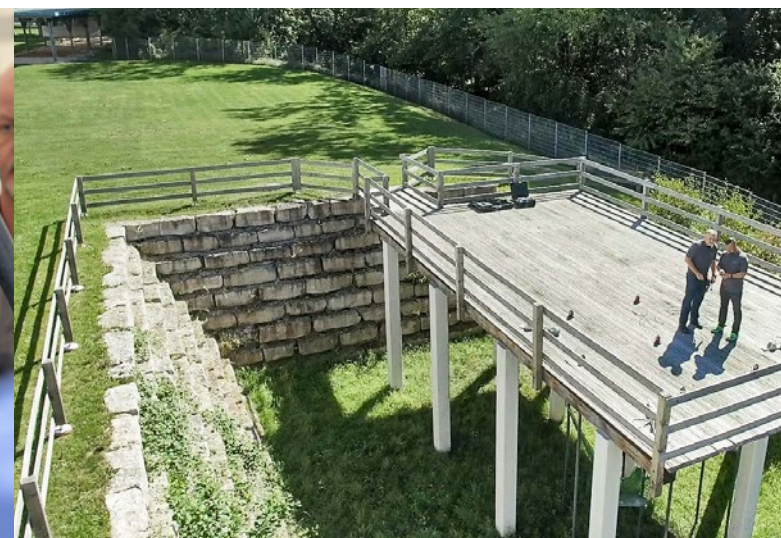
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

✓ 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

In 2005 VALLON once again presents a technical innovation with the VMR2: The dual-sensor detector combines a metal detector with a ground radar. Thanks to dual-sensor technology, the detectors not only identify objects with metal content such as conventional land mines, but they also detect metal-free objects such as improvised explosive devices (IED) – a key advantage in an era of “asymmetric warfare“.

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

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