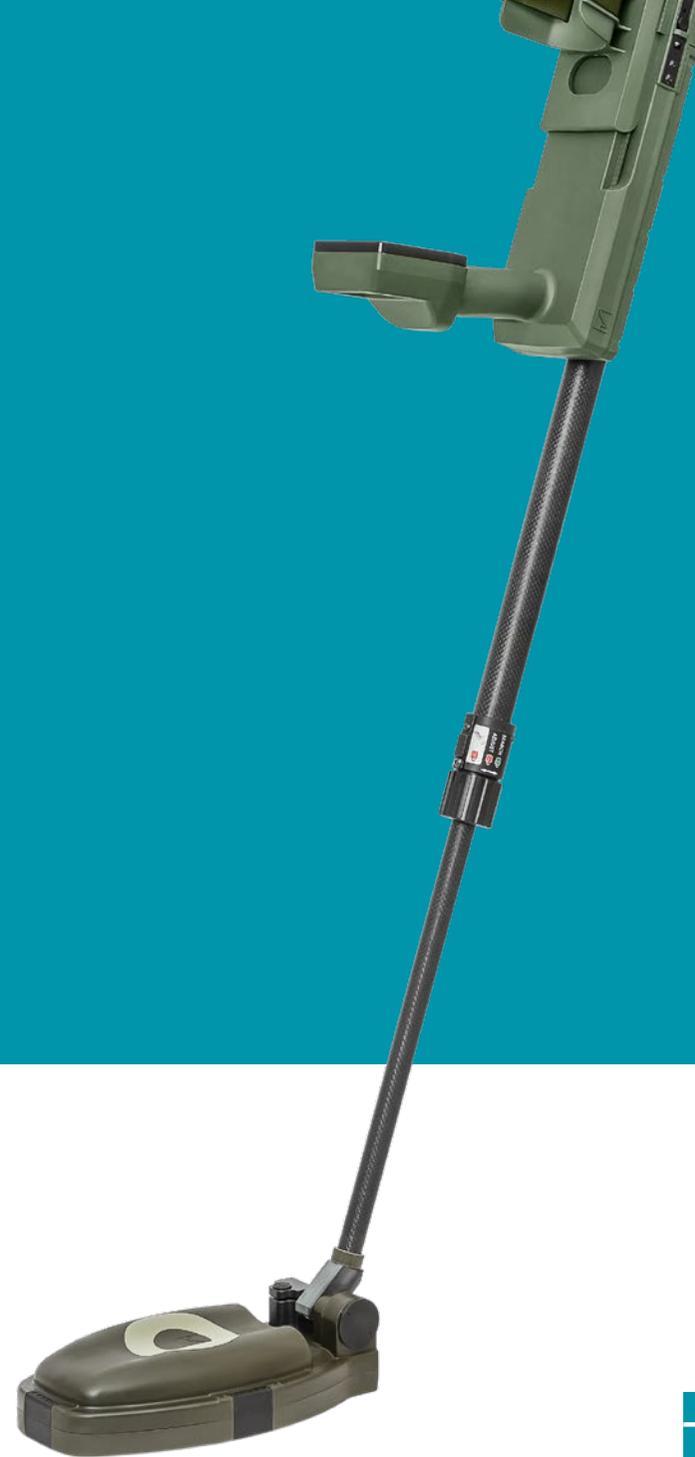


Dual-Sensor Detector

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

# VMR3G

Dual-Sensor Detector with Graphic Display  
for Metal and Metal-Free Objects



*Searching with Excellence*



# VMR3G „Minehound“ Dual-Sensor Detector

## Dual-Sensor Detector with Graphic Display for Metal and Metal-Free Objects

The VMR3G "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.

The integrated color graphic display enables user-friendly operation and shortens the time for an initial training as well as the familiarization after a longer period of inactivity. The display provides an overview of all parameters and signals of the metal detector (MD) and ground-penetrating radar (GPR).

The visualization of the ground-penetrating radar alarm offers easy to read depth information on the detected object. In addition, the device settings are available in numerous languages.

The VMR3G 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)
- ✓ Integrated graphic display for simplified operation
- ✓ Mechanical design with high-quality carbon telescoping carrying bar
- ✓ High sensitivity for high-efficiency soil compensation
- ✓ Detection of metal and metal-free objects such as improvised explosive devices (IEDs)
- ✓ Easily noticeable alarm indication (audio/visual/vibration)
- ✓ Device settings available in numerous languages



# Integrated graphic display for simplified operation

All relevant information is available at a glance

Display of the current detection mode: metal detector (MD) and ground-penetrating radar (GPR) combined or individually.

The graphic display of the GPR supplies data about the size of the object.

LED indicator for low battery charge.

The pinpoint function switches the detection behaviour of the MD from dynamic to static. This allows a more precise localization of the objects with slow movements of the search head.



The graphic display of the MD informs on detected metal objects.

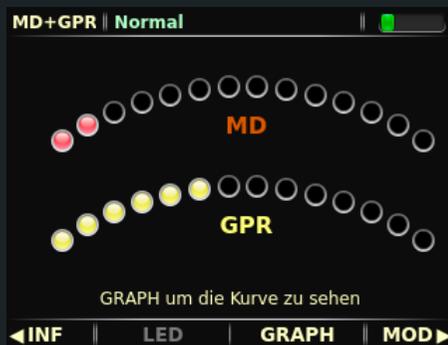
The depth information of the GPR is indicated as a percentage.

The proven user interface with push buttons allows a simple and quick access to all settings - in all weather conditions and also when wearing gloves.

Thanks to the integrated light sensor, the brightness of the LCD display is regulated automatically.

# User interface

For the simplified operation and clear presentation of numerous functions



Display of the detection alarm in LED display mode



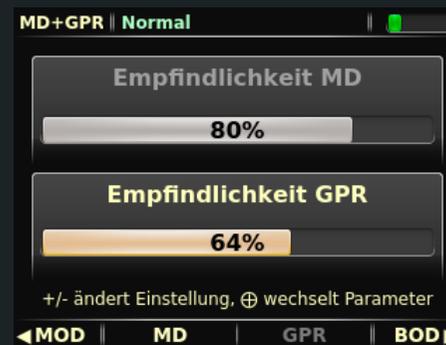
Display of the detection alarm in curve display mode



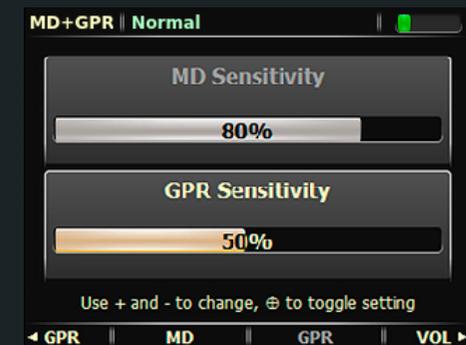
Device settings in numerous languages



Individual GPR setting of the start and stop points



Individual GPR setting of Sensitivity and Surface Gain



The VMR3G offers numerous other display and setting options

# VMR3G – Data Sheet

## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Dual-sensor search head Metal detector (MD) and ground-penetrating radar (GPR) 31.5 x 18 cm (12.40 x 7.09 in)
<b>Alarm signal</b>	Visual (graphic display)/audio/vibration
<b>Watertight</b>	IP68 1,5 m (1 h bei 20°C)
<b>Dimensions*</b>	Case 102 x 43 x 17 cm (40.15 x 16.93 x 6.70 in) <i>*Tolerance ± 3 %</i>
<b>Ambient conditions</b>	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)
<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 4.2 kg (9.25 lbs)/3.74 kg (8.24 lbs) Basic package – Detector in case including standard scope of delivery 14.80 kg (32.62 lbs) <i>*Tolerance ± 10 %</i>
<b>Disposable/rechargeable battery</b>	1 x VAP3 7.4 V/5.4 Ah lithium polymer rechargeable battery – Standard 4 x Mono LR20 1.5 V alkaline battery
<b>Disposable/rechargeable battery operating time*</b>	VAP3 lithium polymer rechargeable battery: About 7.5 h Alkaline batteries: About 3.5 h <i>*Ambient temperature of about 20 °C, LR20: Varta Industrial, VAP3</i>

### FEATURES



Detection of IEDs



Detection of wires and cables



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

# Scope of delivery VMR3G

Basic package | Item No. 2002830400



Dual-Sensor Detector VMR3G



Case VMR3G  
Item No. 2902830480



Headset VMR3/VMR3G/VR1  
Item No. 2902440026



Sun shield VMR3G  
Item No. 8902830520



Battery charger VAP3  
Item No. 2902830018



Power adapter for battery  
charger VAP3  
Item No. 2902440126



Rechargeable battery block VAP3, 2 ea.  
Ambient temperature: -31°C – +63°C  
Storage temperature: -20°C – +35°C\*  
Item No. 2902830035



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



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



Arm strap  
Item No. 8909990832



Test piece GPR-Flush  
Item No. 2902440095



Test piece GPR-Deep  
Item No. 2902440094



Test piece Minehound-Flush  
Item No. 2902440075



Test piece  
Item No. 2909990733



Universal power plug adapter  
Item No. 9150006102



Battery compartment VBH3  
Item No. 2902830080



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



Operation manual VMR3G  
Item No. 8902830460



Field manual VMR3G  
Item No. 8902830470

\*Attention: Storage for 6 months

# 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

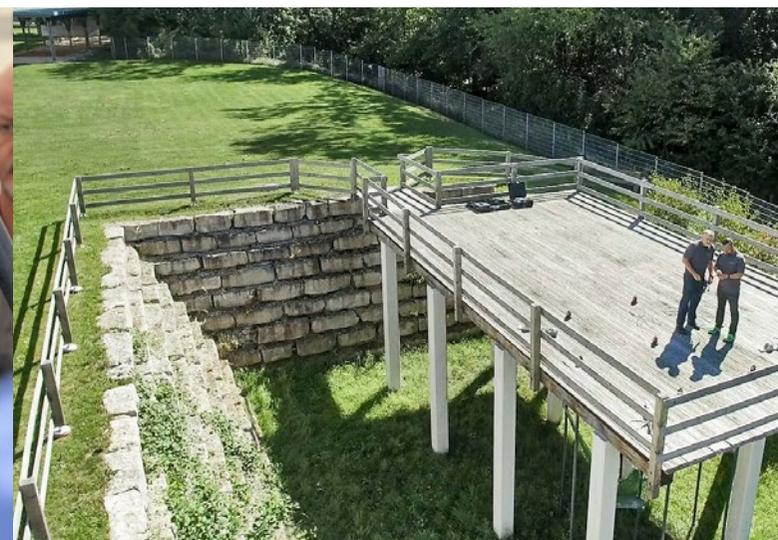
Our product portfolio includes efficient solutions for detecting mines, improvised explosive devices (IEDs) and unexploded ordnance (UXO) – for the use on land, underwater and in boreholes.

### ✓ 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

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

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