

# VMH4 Metal Detector

The Next Generation - Experience Meets **High Tech**

- ✓ Top-Level sensitivity
- ✓ Detection of low-conductive materials as for example carbon rods
- ✓ Wire detection
- ✓ Green LED's for best visibility at daylight
- ✓ Infrared LEDs for use with night-vision devices
- ✓ Highly effective soil compensation
- ✓ Audio, visual and vibration feedback
- ✓ Bluetooth® and WiFi interface
- ✓ Integrated web-server
- ✓ Communication with mobile devices through standard browsers
- ✓ Integrated GPS automatic and manual triggering of waypoints
- ✓ Exchangeable search coils



Searching with Excellence

The Vallon metal detector VMH4 is designed to meet the very specific needs of mine clearance professionals in military and humanitarian demining scenarios.

All the features a Vallon user expects from his detector are included. Ruggedness is paired with simple operation and extremely high sensitivity.

On all soils.

Under all conditions.

New technologies in combination with high degree of miniaturization allowed for new features like *Bluetooth*<sup>®</sup>, WiFi, integrated web-server and GPS as the other Vallon 4<sup>th</sup> Generation Metal Detectors.

And since the quality of threats in military scenarios changed, the VMH4 detects not only metals but also carbon rods frequently being used to trigger IEDs.

The optional hard case offers safe and convenient transport of the complete set including backpack and accessories.



## Technical Data

### General:

Power supply: (alternative)	3 ea. 1.5 V battery LR20 (D) 3 ea. 1.2 V rech. battery HR20 (D)
Battery life:	approx. 20 hours depending on battery type and soil programme
Sweeping speed:	0.2 - 1.5 m/s — standard 0 - 0.2 m/s — pinpointing
Operation temperature:	-31° C to +63° C
Storage temperature:	-51° C to +71° C
Environmental	according to MIL-STD 810G (501.5 I+II, 502.5 I+II, 502.4-II, 503.5 I, 514.6 I, 516.6 IV)
Metal alarm:	acoustic via loudspeaker or headset visual via LED-bargraph vibration alarm
Power line suppression:	automatic
Waterproof:	up to 5 metres
IP Code:	IP68

### Dimensions:

Search coil VS20:	200 Ø ± 5 mm
Search coil VS30:	300 Ø ± 5 mm
Search coil VS60:	600 Ø ± 5 mm
Operational length of telescopic carrying bar with search coil VS20:	min. 550 mm ±5 mm max. 1430 mm ±5 mm
Backpack:	approx. 520 x 320 x 150 mm

### Weights:

Detector with batteries:	approx. 2.5 kg
Transport weight in field backpack: incl. operation manual, field manual and batteries	approx. 3.9 kg

The *Bluetooth*<sup>®</sup> word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Vallon GmbH is under license.

All technical data are subject to change without prior notice.

Issue 10/2018