

VMF4 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 VMF4 is designed to meet the very specific needs of mine clearance professionals in military and humanitarian demining scenarios.

With its ground breaking mechanical concept it does not sacrifice ergonomy for transportability.

The VMF4 combines the best of the concepts and unfolds from a miniaturized bundle to a full grown ergonomic detector in seconds.

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*®, WiFi, integrated web-server and GPS.

And since the quality of threats in military scenarios changed, the VMF4 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. 793 mm ±5 mm max. 1380 mm ±5 mm
Backpack:	approx. 430 x 240 x120 mm

Weights:

Detector with batteries:	approx. 2.5 kg
Transport weight in field backpack: incl. operation manual, field manual and batteries	approx. 3.5 kg

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