

Metal Detector

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

# VMC4

Ultra Compact 4th Generation  
Metal Detector for Special Forces



*Searching with Excellence*



# VMC4 – Metal Detector

## Ultra Compact 4th Generation Metal Detector for Special Forces

The ultra compact metal detector VMC4 is the successor to the proven VMC1 or “Gizmo”, as being nick-named by its many pleased users. As such, it meets stringent requirements of military mine clearance, especially the requirements of special forces.

The detector can be converted from an ultra compact package into full-sized detector in just a few steps. Its slim search coil optimizes the use in dense vegetation.

The combination of easy operation and maximum sensitivity leaves the user nothing to be desired. In part, this is because the VMC4 is ideal for all types of soils and shallow water.

Another special feature of this new detector generation is that rechargeable batteries can also be charged right in the device, either with a 110 – 240 V/50 – 60 Hz AC adapter or on a 10 – 30 V vehicle on-board power supply.

- ✓ Maximum sensitivity in detection of shallow objects
- ✓ Ultra compact design with high-quality carbon telescoping carrying bar
- ✓ Detection of material and wires with low conductivity
- ✓ Pinpoint button for a higher degree of location detection accuracy
- ✓ Integrated GNSS for automatic and manual storage of waypoints
- ✓ Infrared LED display for use with night vision devices and vibration alarm for covert operations
- ✓ Bluetooth® and Wi-Fi interface for cable-free access to the integrated web server



# Wireless communication

Bluetooth® and WLAN interface to integrated web server for device settings and updates.



- ✓ modern browser based user interface for simple operation – from smartphones to desktop computers
- ✓ maximum security through password protection
- ✓ management and download of saved GNSS waypoints as raw data (Raw) or for viewing in Google Earth (KML)
- ✓ firmware update for updating the detector in just a few steps

# VMC4 – Data Sheet








## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Active search coil 27.3 x 12 cm (10.74 x 4.7 in)
<b>Alarm signal</b>	Visual (LED)/audio/vibration
<b>Watertight</b>	IP68 (5 m, 1 h at 20 °C) Search coil (additionally 1 m, 8 h at 20 °C)* <i>*Search coil is suitable for longer detection in shallow waters.</i>
<b>Dimensions*</b>	Bag – Standard: 28.5 x 12.2 x 6.5 cm (11.15 x 4.73 x 2.45 in) Case: 36.5 x 30 x 15.5 cm (14.37 x 18.11 x 6.1 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, 506.4, 512.4, 514.6-C-II, 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 1.41 kg (3.11 lbs) / 1.13 kg (2.49 lbs) Basic package – Detector in bag including standard scope of delivery: 1.51 kg (3.33 lbs) Basic package in case: 3.55 kg (7.83 lbs) <i>*Tolerance ± 10 %</i>
<b>Disposable/ rechargeable battery</b>	8 x Mignon LR6 1.5 V alkaline battery – Standard 8 x Mignon HR6 1.2 V NiMH rechargeable battery 2 x Mono LR20 1.5 V alkaline battery – Emergency operation 2 x Mono HR20 1.2 V NiMH rechargeable battery
<b>Disposable/rechargeable battery operating time*</b>	Alkaline batteries: About 7 h NiMH rechargeable batteries (2,700 mAh): About 12 h Alkaline batteries for emergency operation: About 3 h NiMH rechargeable batteries (10,000 mAh): About 12 h <i>*Ambient temperature of about 20 °C, LR6/LR20: Varta Industrial, HR6/HR20: NiMH rechargeable batteries.</i>

*Subject to changes that serve technical progress.*

### FEATURES

-  Internal rechargeable battery
-  Bluetooth® interface for wireless data transfer
-  Wi-Fi for wireless data transfer
-  Automatic soil compensation for an effective false alarm reduction in mineralized soils
-  Integrated webserver for configuration, updates and data exchange
-  Integrated GNSS receiver
-  Detection of IEDs
-  Detection of cables and wires

# Scope of delivery VMC4, olive

Basic package | Item No. 2005000000



Metal Detector VMC4, olive



Internal pouch VMC4, olive  
Item No. 8905000920



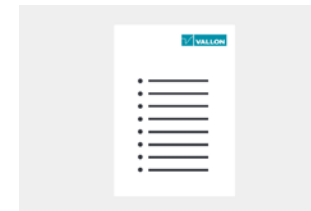
Transport bag VMC4, olive  
Item No. 8905000440



AA/Mignon-Adapter VMC4  
Item No. 2905000170



Alkaline battery 1.5 V Mignon LR6,  
8 ea.  
Item No. 5910001003S8



Operation manual VMC4  
Item No. 8905000570



Field manual VMC4  
Item No. 8905000560

# Scope of delivery VMC4, sand

Basic package | Item No. 2005000000SND



Metal Detektor VMC4, sand



Internal pouch VMC4, sand  
Item No. 8905000920SND



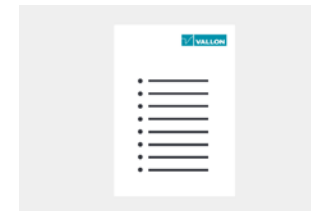
Transport bag VMC4, sand  
Item No. 8905000440SND



AA/Mignon-Adapter VMC4  
Item No. 2905000170



Alkaline battery 1.5 V Mignon LR6,  
8 ea.  
Item No. 5910001003S8



Operation manual VMC4  
Item No. 8905000570



Field manual VMC4  
Item No. 8905000560

# Accessories

## Metal Detector VMC4



Case VMC4, olive  
Item No. 2905000140



Case VMC4, sand  
Item No. 2905000140SND



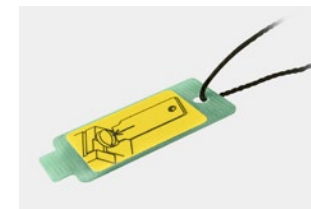
Headphone single-sided  
VMF4/VMH4/VMC4  
Item No. 2904090480



Headphone single-sided with cover  
for the second ear VMF4/VMH4/VMC4  
Item No. 2904090450



On-ear headphone single-sided  
VMF4/VMH4/VMC4  
Item No. 2904090090



Adjustment plate small for  
brake screw  
Item No. 2805000000



Data cable VMF4/VMH4/VMC4  
Item No. 5110307076



Charging cable VMF4/VMH4/VMC4  
Item No. 2504090071



Power supply adapter 100-240V  
including travel adapter AUS/UK/US  
Item No. 2905001067



Alkaline battery 1.5 V Mignon LR6  
Item No. 5910001003



Rechargeable battery NiMH 1,2 V  
Mignon HR6/2.700 mAh  
Item No. 5920001010



Rechargeable battery NiMH 1,2 V  
Mignon HR6/2.700 mAh, 8 ea.  
Item No. 5920001010S8



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, 2 ea.  
Item No. 5920001006S2

# 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

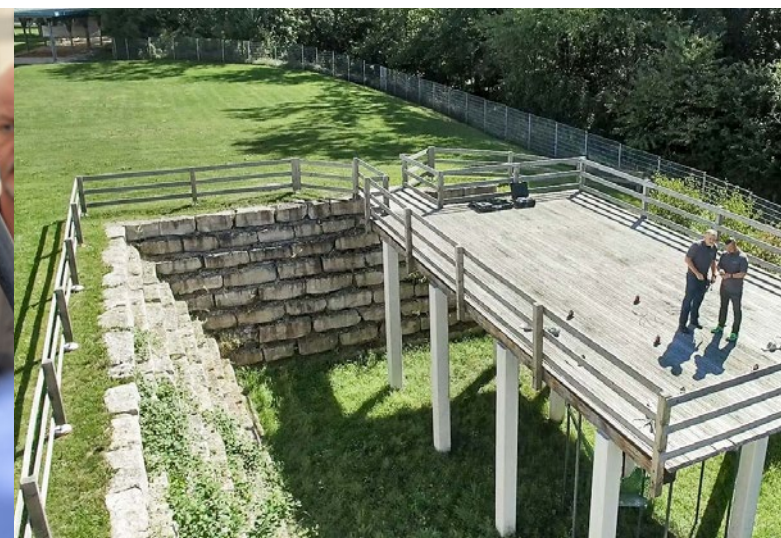
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

### ✓ 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

Since 2016, VALLON has impressed customers with improved generations of its innovative developments. The new benefits include lower weight and greater compactness for easier transport and simpler firmware upgrades that now enable customer-specific application optimization.

Learn more under  
[www.vallon.de/en/history](http://www.vallon.de/en/history)



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