

Metal Detector

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

# VMC1

Compact Metal Detector  
for Special Assignments



*Searching with Excellence*



# VMC1 – Metal Detector

## Compact Metal Detector for Special Assignments

The VMC1 is the first compact metal detector from VALLON that has been designed specifically for special assignments. Its mechanical design and powerful combination of renowned high detection sensitivity and maximum detection stability have made it a proven tool around the globe for mine detection.

Its very compact design makes it highly convenient for transport. It becomes a full-size detector on site in just a few steps and is then ready to start operating.

In addition, simple and clearly identifiable operating elements guarantee outstanding ease of use and high detection reliability.

- ✓ Compact design
- ✓ High sensitivity combined with high-efficiency soil compensation
- ✓ Easily noticeable metal alarm indication (audio/visual/vibration)
- ✓ Pinpoint button for a higher degree of location detection accuracy



# VMC1 – Data Sheet

## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Active search coil 32.9 x 13.9 cm (12.95 x 5.47 ")
<b>Alarm signal</b>	Visual (LED)/audio/vibration
<b>Watertight</b>	IP68, 4 m (1 h at 20 °C)
<b>Dimensions*</b>	Backpack – Standard 39 x 22 x 12 cm (15.35 x 8.66 x 4.72 ") Case 41 x 33 x 16.5 cm (16.14 x 13 x 6.5 ") <i>*Tolerance ± 3 %</i>
<b>Ambient conditions</b>	In accordance with MIL-STD-810F (501.4-I, II, 502.4-I, II, 503.4-I, 506.4-III, 512.4-II, 514.5C-I, 516.5-IV)
<b>Weight*</b>	Detector with/without standard battery 2.4 kg (5.29 lbs) / 2.16 kg (4.76 lbs) Basic package – Detector in backpack including standard scope of delivery 3.1 kg (6.83 lbs) Basic package in case 5.1 kg (11.24 lbs) <i>*Tolerance ± 10 %</i>
<b>Disposable/ rechargeable battery</b>	3 x Baby LR14 1.5 V alkaline battery – Standard 3 x Baby HR14 1.2 V NiMH rechargeable battery
<b>Disposable/rechargeable battery operating time*</b>	Alkaline batteries: About 9 h NiMH rechargeable batteries (6,000 mAh): About 10 h <i>*Ambient temperature of about 20 °C, LR14: Varta Industrial, HR14: NiMH rechargeable batteries.</i>

### FEATURES



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

# Scope of Delivery VMC1

Basic package | Item No. 2002310500



Metal Detector VMC1



Carrying bag VMC1/VMW1  
Item No. 8902310030



Test piece with adjustment plate  
for brake screw  
Item No. 2902310044



Alkaline battery 1.5 V baby LR14,  
3 ea.  
Item No. 5910001002S3



Operation manual VMC1  
Item No. 2902310114



Field manual VMC1  
Item No. 2902310115



Backpack packing sketch VMC1  
Item No. 2902310116

# Accessories

## Metal Detector VMC1



**Case VMC1**  
Item No. 2802310010



**Headset VMC1/VMH3CS/VMXC1-11**  
Item No. 2909990571



**Headset adapter 6 Pole,  
3rd generation**  
Item No. 2909990751



**Strap for arm rest VMC1/VMW1**  
Item No. 8702310101



**External battery charger  
100-240V/50-60Hz, 12V**  
Item No. 5900001010



**Alkaline battery 1.5 V baby LR14**  
Item No. 5910001002



**Rechargeable battery NiMH 1,2 V  
baby HR14/6.000 mAh**  
Item No. 5920001018



**Rechargeable battery NiMH 1,2 V  
baby HR14/6.000 mAh, 3 ea.**  
Item No. 5920001018S3

# 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

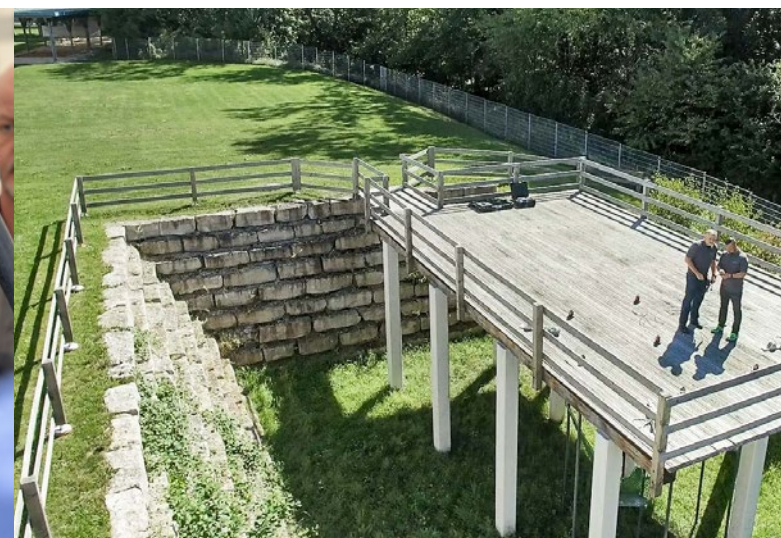
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

### ✓ 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

The history of VALLON is also the history of metal detectors, degaussing coils, generators, and field computers. Over the years, the products became increasingly powerful and new, innovative technologies were added. The company was growing. VALLON leased more buildings and expanded its production capacity. Since 1982, the company has done business as Vallon GmbH, the corporate form it has today.

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



**Vallon GmbH**  
Arbachtalstraße 10  
72800 Eningen, Germany  
Phone +49 7121 9855-0  
[info@vallon.de](mailto:info@vallon.de)  
[www.vallon.de](http://www.vallon.de)