

Metal Detector

 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

Sensor	Active search coil 32.9 x 13.9 cm (12.95 x 5.47 ")
Alarm signal	Visual (LED)/audio/vibration
Watertight	IP68, 4 m (1 h at 20 °C)
Dimensions*	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>
Ambient conditions	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)
Weight*	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>
Disposable/ rechargeable battery	3 x Baby LR14 1.5 V alkaline battery – Standard 3 x Baby HR14 1.2 V NiMH rechargeable battery
Disposable/rechargeable battery operating time*	Alkaline batteries: About 9 h NiMH rechargeable batteries (4,500 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 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 LR14
Item No. 5910001002



**Rechargeable battery NiMH 1,2 V
Mono HR14/4.500 mAh**
Item No. 5920001007



**Rechargeable battery NiMH 1,2 V
Mono HR14/4.500 mAh, 3 ea.**
Item No. 5920001007S3

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.





OVER 50 YEARS OF
Excellence



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



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