

Metal Detector

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

# VMW1

Metal Detector for  
Underwater Use down to 30 m



*Searching with Excellence*



# VMW1 – Metal Detector

## Metal Detector for Underwater Use down to 30 m

The VMW1 is a foldable metal detector for use in water and on land. All components are designed to work together underwater, guaranteeing detection reliability for search tasks down to depths of 30 m.

The extremely compact size and low weight of the VMW1 simplify transport substantially. It folds out completely and is ready for use in just a few steps.

Its intuitive operating elements also ensure excellent ease of use. This makes it a reliable tool for mine detection.

- ✓ Detection in water and on land
- ✓ Depth down to 30 m
- ✓ Extremely compact design and low weight
- ✓ High sensitivity
- ✓ Highly efficient soil compensation
- ✓ Easily noticeable alarm indication (audio/visual)



# VMW1 – 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
<b>Watertight</b>	IP68, 30 m
<b>Dimensions*</b>	Case 41 x 32 x 17 cm (16.14 x 12.59 x 6.69 ") <i>*Tolerance ± 3 %</i>
<b>Ambient conditions</b>	In accordance with MIL-STD-810F (F501.4-I, II, F502.4-I, II, F503.4-I, F506.4-III, F512.4-II, F516.5-IV)
<b>Weight*</b>	Detector with/without standard battery 2.7 kg (5.95 lbs) / 2.5 kg (5.51 lbs) Detector with standard battery in water 0.9 kg (1.98 lbs) Basic package – Detector in case including standard scope of delivery 5.4 kg (11.90 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 (4,500 mAh): About 10 h <i>*Ambient temperature of about 20 °C, LR14: Varta Industrial, HR14: NiMH rechargeable batteries.</i>

### FEATURES



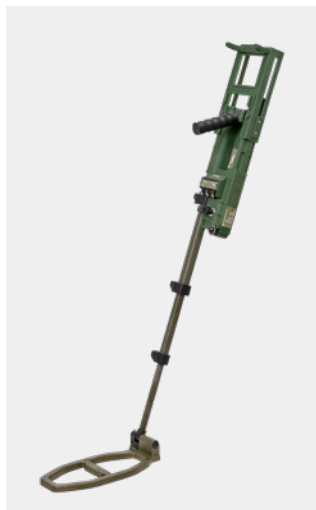
Automatic soil compensation  
for an effective false alarm reduction  
in mineralized soils



Waterproof up to 30 meters

# Scope of delivery VMW1

Basic package | Item No. 2002520010



Metal Detector VMW1



Case VMW1  
Item No. 2802520001



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



Headset VMW1  
Item No. 2902520016



Loudspeaker land VMW1  
Item No. 2902520025



Dummy connector VMW1  
Item No. 8902520051



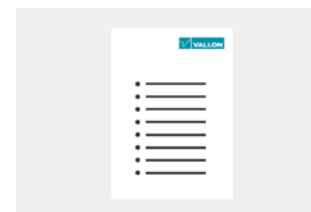
Arm strap VMW1  
Item No. 2902520024



Carrying strap VMW1  
Item No. 8709990003



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



Operation manual VMW1  
Item No. 2902520021



Field manual VMW1  
Item No. 2902520022

# Accessories

## Metal Detector VMW1



Carrying bag VMC1/VMW1  
Item No. 8902310030



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 HR14/4.500 mAh  
Item No. 5920001007



Rechargeable battery NiMH 1,2 V  
baby 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

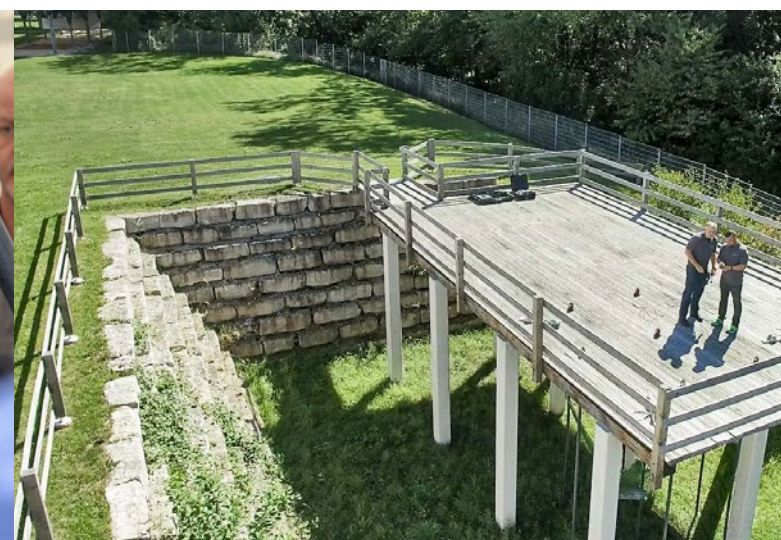
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

### ✓ 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.





## THE PATH TO BECOMING A GLOBAL PLAYER

With pulse induction technology, VALLON entered a new age for VALLON metal detectors in 1990. These innovative devices transmit magnetic pulses into the soil, providing information on various metals and the size of metallic objects.

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)