

Cable Detector

 vallon.de

VR1

Detector for Cables and Wires



Searching with Excellence



VR1 “Wirehound®” – Cable Detector

Detector for Cables and Wires

The Cable Detector VR1 “Wirehound®” uses ground-penetrating radar and has been developed specifically for finding explosive devices and their components. These include the wires and cables typically used to activate IEDs.

Possible applications of this high-sensitivity ground-penetrating radar (GPR) also include locating classic GRP targets such as bodies out of plastic, wood and metal.

The VR1’s ergonomic mechanical design enables assignments lasting several hours.

- ✓ Search head with ground-penetrating radar (GPR)
- ✓ Detection of cables and wires regardless of their orientation
- ✓ High sensitivity to detect wires with a length of 10 cm or more
- ✓ Integrated OLED display for simplified operation
- ✓ Selection of various languages
- ✓ Easily noticeable alarm indication (audio/visual/vibration)



VR1 – Data Sheet

Technical Data and Features

TECHNICAL DATA

Sensor	GPR search head Ø 30 cm (Ø 11.81 in)
Alarm signal	Visual (LED)/audio/vibration
Watertight	IP68, 1.5 m (1 h at 20 °C)
Dimensions*	Case 80.5 x 52 x 31 cm (31.69 x 20.47 x 12.20 in) <i>*Tolerance ± 3 %</i>
Ambient conditions	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)
Ambient temperature	-31°C – +63°C (-24°F – +145°F)
Storage temperature	-51°C – +71°C (-60°F – +160°F)
Weight*	Detector with/without standard battery 3.7 kg (8.15 lbs) / 3.24 kg (7.14 lbs) Basic package – Detector in case including standard scope of delivery 18.00 kg (39.68 lbs) <i>*Tolerance ± 10 %</i>
Disposable/ rechargeable battery	1 x VAP3 7.4 V/5.4 Ah lithium polymer rechargeable battery – Standard 4 x Mono LR20 1.5 V alkaline battery
Disposable/rechargeable battery operating time*	VAP3 lithium polymer rechargeable battery: About 10 h Alkaline batteries: About 4 h <i>*Ambient temperature of about 20 °C, LR20: Varta Industrial, VAP3.</i>

FEATURES



Detection of IED



Detection of cables and wires

Scope of Delivery VR1

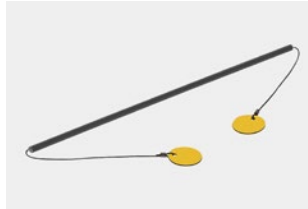
Basic packages | Item No. 2004130000



Cable Detector VR1



Case VR1
Item No. 2904130180



Test piece VR1
Item No. 2904130200



Plate brake screw
Item No. 2909990723



Headphone VMR3/VMR3G/VR1
Item No. 2902440026



Arm strap
Item No. 8909990832



Shoulder straps with pads VMR2/
VMR3/VR1
Item No. 2902440123



Rechargeable battery block VAP3, 2 ea.
Ambient temperature: -31°C – +63°C
Storage temperature: -20°C – +35°C*
Item No. 2902830035



Battery charger VAP3
Item No. 2902830018



Power adapter for battery charger
VAP3
Item No. 2902440126



Charging cable for 12V/24V vehicle
plug socket
Item No. 2502440006



Data cable
Item No. 2509990105



USB-serial converter cable
Item No. 5800001017



Universal power plug adapter
Item No. 9150006102



Alkaline battery 1.5 V Mono LR20,
4 ea.
Item No. 5910001006S4



Battery compartment VBH3
Item No. 2902830080



Operation manual VR1
Item No. 8904130250



Field manual VR1
Item No. 8904130260

*Attention: Storage for 6 months

Accessories

Cable Detector VR1



Alkaline battery 1.5 V Mono LR20
Item No. 5910001006

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.

✓ 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.

✓ 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.

✓ 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

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