

Magnetometer

vallon.de

VXB3.1 with VFC4.1

Magnetometer Kit,
optimized for Continuous Use
in Boreholes ($\pm 300,000$ nT)



Searching with Excellence



VXB3.1 – Magnetometer Borehole with VFC4.1

Magnetometer Kit, optimized for Continuous Use in Boreholes ($\pm 300,000$ nT)

The VXB3.1 borehole detector together with its components provides an extremely reliable detection system for locating ferromagnetic objects in soil. As a result, it meets toughest borehole detector performance requirements in civil and military ordnance removal.

Thanks to the extremely large compensation range of the new built-in digital probe VMS4plus, the start-up is greatly facilitated.

The survey data can be displayed and reviewed immediately on the VALLON field computer VFC4.1 as a curve. The data can be analyzed on the desktop PC in detail later using VALLON evaluation software available as an option.

- ✓ Measuring range up to $\pm 300,000$ nT
- ✓ Compensation range of $\pm 75,000$ nT
- ✓ Rugged construction and low weight
- ✓ Extremely fast start-up
- ✓ Simple operation
- ✓ No sensor calibration required
- ✓ Android app EVA4mobile® for recording borehole and surface data
- ✓ Powerful 6-inch VFC4.1 field computer for processing extremely large data volumes



VXB3.1 – Data Sheet

Technical Data and Features

TECHNICAL DATA

Sensor	Probe Sensor distance: 50 cm (19.69 in) Sensor tube diameter: Ø 3.2 cm (Ø 1.26 in) Measuring range: ± 300,000 nT Compensation range: ± 75,000 nT
Alarm signal	Visual (VFC4.1)
Watertight	Digital probe VSM4plus: IP68, 60 m
Dimensions*	Case sensor set 102 x 43 x 17 cm (40.15 x 16.93 x 6.69 in) Case electronic set 52 x 44 x 20 cm (20.47 x 17.32 x 7.87 in) <i>*Tolerance ± 3 %</i>
Ambient temperature	-31°C – + 63°C (-24°F – +145°F)
Storage temperature	-33°C – +71°C (-27°F – +160°F) <i>Attention: Storage temperature without battery</i>
Weight*	Case sensor set – including standard scope of delivery 12 kg (26.45 lbs) Case electronic set – including standard scope of delivery 7 kg (15.43 lbs) <i>*Tolerance ± 10 %</i>
Disposable/ rechargeable battery	Rechargeable battery pack – Standard
Disposable/rechargeable battery operating time*	Rechargeable battery pack with VCU3: About 13 h <i>*Ambient temperature of around 20 °C, rechargeable battery pack.</i>

FEATURES



Bluetooth® interface for wireless data transfer



Waterproof up to 60 meters

Scope of Delivery VXB3.1

Basic package | Item No. 2002590202



Case sensor set VXB3.1
Item No. 2902590081



Case electronics set VXB3.1
Item No. 2902590162



Digital probe VSM4plus
Item No. 2005320020



EVA4mobile® – Integrated license in
combination with field computer VFC4.1
Item No. 2405350010



VFC4.1 – Small Field Computer
for EVA4mobile®
Item No. 2005350001



Central electronics unit VCU3
Ambient temperature: -20°C – +50°C
Storage temperature: -31°C – +60°C*
Item No. 2002540310



Sensor cable VXB3.1 SEPOS®,
15 m/12 m
Item No. 2502590201



Waist belt
Item No. 9150006007



Carabiner for belt
Item No. 8902590005



Hook wrench
Item No. 9150006024



Ring screw
Item No. 2909990105



Extra weight
Item No. 2909990631



Kit Battery charger
Item No. 2902540110



Battery VXB2/VXB3.1
Item No. 2902540104



Operation manual VCU2
Item No. 8902540103



Operation manual VFC4.1
Item No. 8905350000

*Attention: Storage temperature without battery

Accessories

Magnetometer VXB3.1



Borehole Shaft Guard
Item No. 2900130170



Sensor set VXB3.1
Item No. 2902590201



Detector SEPOS®-Borehole
Item No. 2900130130



Connection cable SEPOS®-Borehole (VCU)
Item No. 2500130032

Data evaluation



EVA4ALL®



**EVA4ALL® - Evaluation Software
for Surface and Borehole Survey**
Item No. 2009090000

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

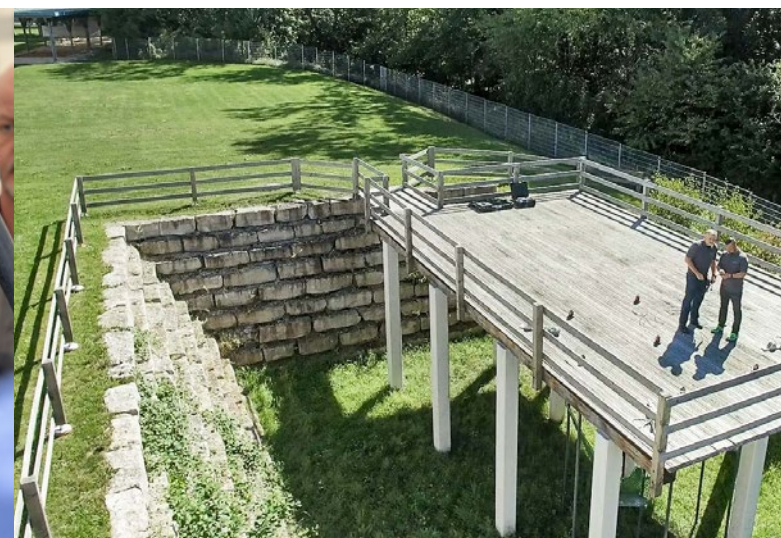
With the EVA4mobile® and the EVA4ALL® VALLON offers powerful software for data acquisition, evaluation and documentation. The firmware of VALLONs fourth generation of metal detectors is subject to continuous further development and can be adapted to satisfy specific customer requirements.

✓ 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 the number and complexity of humanitarian crises on the rise, the challenges involved in demining and ordnance clearance also increase. Explosive ordnance poses a threat to the lives and livelihoods of people living in crisis regions. Despite long-term, considerable effort in the countries with the clearance of contaminated territory, the danger has still not been eliminated in many places. VALLON metal detectors provide valuable assistance.

Learn more under
www.vallon.de/en/history



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