

Magnetometer

vallon.de

# VXB2 with VFC4

Magnetometer Kit,  
optimized for Continuous Use  
in Boreholes ( $\pm 20,000$  nT)



*Searching with Excellence*



# VXB2 – Magnetometer Borehole with VFC4

Magnetometer Kit, optimized for Continuous Use in Boreholes ( $\pm 20,000$  nT)

The VXB2 borehole detector together with its components provides a high-performance detection system for locating ferromagnetic objects in soil. As a result, it meets the toughest borehole detector performance requirements in civil and humanitarian ordnance removal.

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

- ✓ Simple operation
- ✓ Rugged construction and low weight
- ✓ Fast start-up
- ✓ No sensor calibration required
- ✓ Measuring range up to  $\pm 20,000$  nT
- ✓ Android app EVA4mobile® for recording borehole and surface data
- ✓ Powerful 5.3-inch VFC4 field computer for processing extremely large data volumes



# VXB2 – Data Sheet

## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Probe Sensor distance: 50 cm (19.69 ") Sensor tube diameter: Ø 3.2 cm (Ø 1.26 ") Measuring range: ± 20,000 nT
<b>Alarm signal</b>	Visual (VFC4)/Audio (VCU3)
<b>Watertight</b>	Digital probe VSM: IP68, 60 m
<b>Dimensions*</b>	Case sensor set 102 x 43 x 17 cm (40.15 x 16.93 x 6.69 ") Case electronic set 52 x 44 x 20 cm (20.47 x 17.32 x 7.87 ") <i>*Tolerance ± 3 %</i>
<b>Weight*</b>	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>
<b>Disposable/ rechargeable battery</b>	Rechargeable battery pack – Standard
<b>Disposable/rechargeable battery operating time*</b>	Rechargeable battery pack with VCU2: About 15 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 VXB2

Basic package | Item No. 2002590000



Case sensor set VXB2  
Item No. 2802590001



Case electronics set VXB2  
Item No. 2802590002



Digital probe VSM  
Item No. 2909990674



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



VFC4 – Small Field Computer  
for EVA4mobile®  
Art.-Nr. 2005350000



Central electronics unit VCU2  
Item No. 2002540110



Sensor cable VXB2 SEPOS®,  
15 m/12 m  
Item No. 2502590001



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



Operation manual VCU2  
Item No. 8902540103



Operation manual VFC4  
Item No. 8905350000

# Accessories

## Magnetometer VXB2



Detector SEPOS®-Borehole  
Item No. 2900130130



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



Kit Battery charger  
Item No. 2902540110



Battery VXB2/VXB3  
Item No. 2902540104

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.

### ✓ DETECTORS

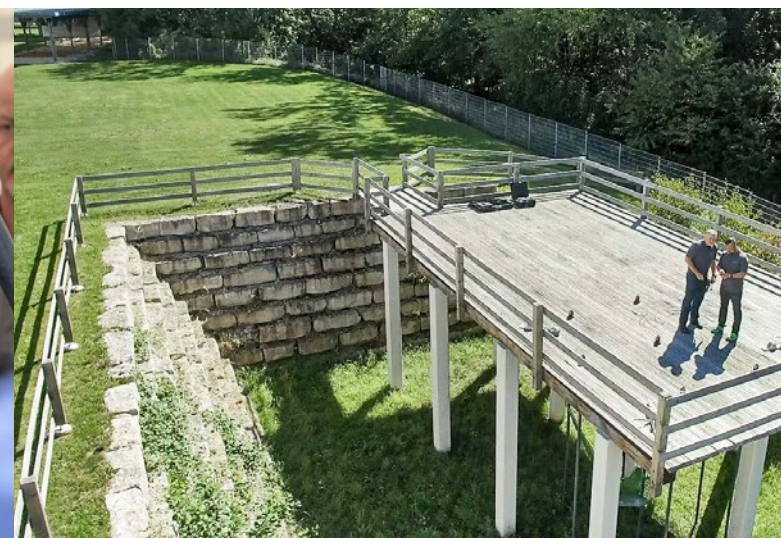
Our product portfolio includes efficient solutions for detecting mines, improvised explosive devices (IEDs) and unexploded ordnance (UXO) – for the use on land, underwater and in boreholes.

### ✓ 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

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](http://www.vallon.de/en/history)



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