

Magnetometer

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

# VX1

## Kit „Surface“

Modular UXO Detector Kit  
for use on land



*Searching with Excellence*



# VX1 – Magnetometer Kit „Surface“

## Modular UXO Detector Kit for use on land

The VX1 is a modular UXO detector system for ferrous object detection. It is extremely rugged and offers high search sensitivity. It is also easy to operate and meets toughest demands in civil, humanitarian and military ordnance disposal.

This versatile device quickly collects data in conjunction with data acquisition devices from VALLON. For professional data analysis and documentation, VALLON's product portfolio offers corresponding software solutions.

In addition, the detachable digital probe VSM offers outstanding flexibility, allowing it to be used in all VALLON multichannel systems.

- ✓ Modular magnetometer system for UXO detection down to great depths
- ✓ Polarity alarm indication by LED and audio signal
- ✓ No sensor adjustment required
- ✓ Interfaces: USB, Bluetooth® and serial
- ✓ Direct communication to VALLON Hard- and Software for datalogging
- ✓ Detachable digital probe VSM for flexible use in all VALLON multichannel systems



# VX1 Kit „Surface“ – Data Sheet

## Technical Data and Features

### TECHNICAL DATA

<b>Sensor</b>	Probe Sensor distance: 50 cm (19.69 in) Sensor tube diameter: Ø 3.2 cm (Ø 1.26 in) Measuring range: ± 20,000 nT
<b>Alarm signal</b>	Visual (LED) / Audio
<b>Watertight</b>	Device: IP68, 1.5 m (30 min at 20 °C) Digital probe VSM: IP68, 60 m
<b>Dimensions*</b>	Backpack – Standard 81 x 16 x 11 cm (31.89 x 6.30 x 4.33 in) Backpack in case – Standard 84 x 30 x 17 cm (33.07 x 11.81 x 6.69 in) <i>*Tolerance ± 3 %</i>
<b>Ambient conditions</b>	In accordance with MIL-STD-810G (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 3.60 kg (7.94 lbs)/3.04 kg (6.70 lbs) Basic package – Detector with backpack and case, including standard scope of delivery 9.20 kg (20.28 lbs) <i>*Tolerance ± 10 %</i>
<b>Disposable/ rechargeable battery</b>	4 x Mono LR20 1.5 V alkaline battery – Standard 4 x Mono HR20 1.2 V NiMH rechargeable battery
<b>Disposable/rechargeable battery operating time*</b>	Alkaline batteries: About 100 h NiMH rechargeable batteries (10,000 mAh): About 100 h <i>*Ambient temperature of about 20 °C, LR20: Varta Industrial, HR20: NiMH rechargeable batteries, without Bluetooth®</i>

### FEATURES



Bluetooth® interface for wireless data transfer



Waterproof up to 60 meters

# Scope of delivery VX1 Kit „Surface“

Basic package | Item No. 2003170000



**Backpack VX1**  
Item No. 8903170610



**Case VX1**  
Item No. 2903170410



**Carrying bar VX1**  
Item No. 2903170030



**Control unit VX1**  
Item No. 2903170040



**Digital probe VSM**  
Item No. 2909990674



**Headset VX1/VXT1**  
Item No. 2903170320



**Carrying strap VX1**  
Item No. 8903170820



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



**Operation manual VX1**  
Item No. 2903170330



**Backpack packing sketch VX1**  
Item No. 8903170890

# Accessories

## Magnetometer VX1 Kit „Surface“



Hard case VX1 with insert  
Item No. 2903170530



Carrying bag VX1 cable drum  
Item No. 2903170401



Borehole Shaft Guard  
Item No. 2900130170



Transport bag for digital probe VSM  
Item No. 2903170450



External battery charger  
100-240V/50-60Hz, 12V  
Item No. 2909990847



Alkaline battery 1.5 V Mono LR20  
Item No. 5910001006



Rechargeable battery NiMH 1,2 V  
Mono HR20/10.000 mAh  
Item No. 5920001006



Alkaline battery 1.5 V Mono LR20,  
4 ea.  
Item No. 5920001006S4



Data Acquisition  
and Evaluation



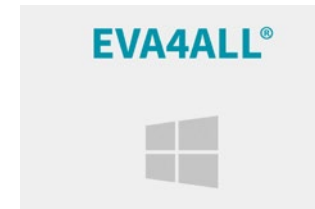
EVA4mobile® - Integrated license in  
combination with field computer VFC4.1  
Item No. 2405350010



VFC4 - Small Field Computer  
for EVA4mobile®  
Item No. 2005350001



EVA4mobile® - Bluetooth® Beacon  
for temporary license activation  
Item No. 2009080000



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



Hand switch start/stop VX1  
Item No. 2503170160



Borehole-Upgrade



Cable drum VX1, 25 m (completely)  
Item No. 2903170240



Cable drum VX1 SEPOS®,  
15/12 m (completely)  
Item No. 2903170460



Connection cable SEPOS®-Borehole  
(VX1)  
Item No. 2503170040



Detector SEPOS®-Borehole  
Item No. 2900130130



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



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