

## Scope of delivery

### FERROUS LOCATOR VX1 "SURFACE"

Art-no. 2003170000

Scope of delivery:

Carrying bar with telescope, control unit, probe VSM, case, backpack, carrying belt, headset, operation manual, 4x 1.5 V single cell battery type D

### FERROUS LOCATOR VX1 "SURFACE + BOREHOLE"

Art-no. 2003170002

Scope of delivery:

identical with art-no. 2003170000, additionally with optional cable drum (25 m) art-no. 2903170240

### FERROUS LOCATOR VX1 "BOREHOLE"

Art-no. 2003170003

Scope of delivery:

Cable drum with integrated power supply and mechanical link to control unit, control unit, probe VSM, transport container VSM, accessories, operation manual



#### Available options:

- Cable drum cplt. VX1 (25 m)
- Cable drum cplt. VX1 SEPOS® (15 m / 12 m SEPOS®)
- SEPOS® -detector borehole / land
- 4x 1.2 V rechargeable batteries type D
- Charger for rechargeable batteries
- External power supply

## Technical data

Measuring range: 9 (2-20.000 nT)

Power supply: 4 x 1.5 V single cell batteries type D or 4 x 1.2 V rechargeable batteries type D or external power supply 6 Volt

Distance of sensors: 500 mm

Diameter of probe tube: 32 mm

Battery life: approx. 100 h with Alkaline batteries (without Bluetooth®) approx. 80 h with Alkaline batteries (with Bluetooth®)

Operation temp.: -31° C to +63° C

Signal outputs: - digital output RS 232 or USB for online data acquisition with Vallon dataloggers via cable or Bluetooth® technology - headset

Signal input: SEPOS® positioning system

Weight operational detector: approx. 3.5 kg (incl. batteries)

Transport weight with case (Art-no. 2003170000): approx. 9.2 kg (incl. backpack)

Dimensions case: 84 x 30 x 17 cm

All technical data are subject to change without prior notice.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. USA and any use of such marks by Vallon GmbH is under license.

© 04/2014

# Ferrous Locator VX1

## Universal set for the detection of UXO's on land, under water and in boreholes



- Compact, low weight, ergonomic
- For land, boreholes & water
- Detachable control unit for easy detection in boreholes
- No probe adjustment required
- Digital probe technology
- Probe mechanically adjustable in height
- Data output USB, Bluetooth® & serial
- Detachable probe, suitable for multisensor systems



The Vallon VX1 is an extremely rugged differential magnetometer, designed as adjustment-free tension-band probe, for the detection of ferrous objects.

The VX1 combines high detection sensitivity with ease of operation. Tested according to MIL-specs it is suitable for use under all environmental conditions.

By attaching the control unit to the cable drum the handheld VX1 is easily transformed into a very compact set for borehole detection. The cable drum is already equipped with battery compartments. The probe of the VX1, the VSM, is then guided on a rugged borehole cable.

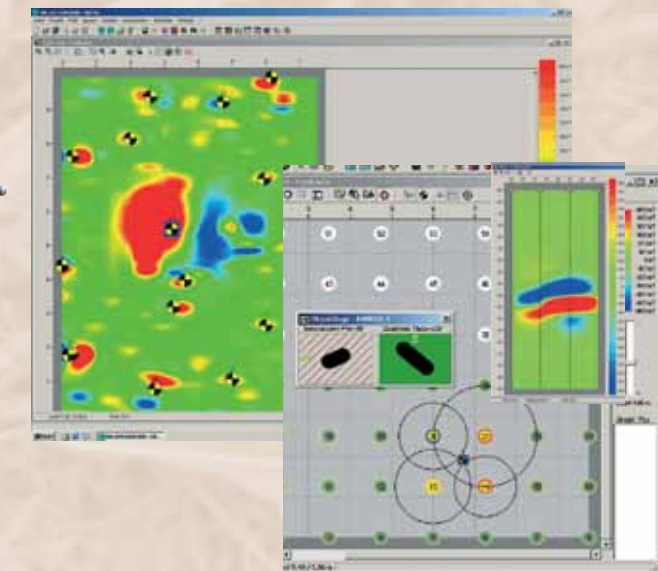


In connection with the Vallon field computer VFC2 the all-rounder becomes a fast data collector due to its digital interfaces.

In the basic version, the constant speed of the user during data recording is the precondition for a good positioning of the probe.

This can be optimised by using the optional Vallon SEPOS®-system. SEPOS® allows the VX1 the verification of the position of the probe at short intervals along search tracks or boreholes. Hence, there is no problem with any changes of speed during data recording.

Surface detection is even more comfortable with an optional GPS system. The field computer VFC2 is already prepared for this and can easily be connected with the GPS via Bluetooth®.



The all-digital probe VSM is compatible with current Vallon multisensor systems. Thus, depending on the detection requirement, the probe, as centrepiece of the detector, can also be used in combination with other probes. The Vallon VXV4 represents such a system, combining 4 probes. The Vallon control unit VCU2 or the VX1 control unit serve as data

interface. The data of the probes are transferred via cable or Bluetooth® to a Vallon field computer VFC2 or a PC with Vallon EVA 2000® software.

Surface as well as borehole data is evaluated via PC with Vallon EVA 2000® software.