

The desired borehole plan is created on the Personal Computer and transferred to the VFC2.

Directly at site the operator selects the corresponding borehole on the plan. Then the sensor is lowered into this borehole and pulled up.

The boreholes which have already been examined are coloured. The white spots on the borehole plan have not yet been examined.



Vallon Field Computer VFC2

Data Logger for Computer-aided Detection of UXOs

- For Vallon Ferrous Locators and Metal Detectors
- Handy and robust
- Navigation aid when connecting a DGPS
- Inbuilt software Vallon EVA 2000[®] mobile
- Detection on land and in boreholes
- Input for DGPS and SEPOS[®]



The VFC2 is supplied as complete set, comprising:

- Vallon EVA 2000 Mobile for data recording and data display
- VFC2
- set for fixing to the operator's wrist
- set for fixing to Vallon ferrous locator
- USB connection cable
- USB memory stick
- data connection cable
- battery charger
- charging cable for car socket
- user's manual
- Allen key
- carrying and storage case

Technical Data

Power supply: inbuilt rechargeable battery

Battery: 3000 mAh Lithium Ion

Storage capacity: 1 GB for 100 ha in different fields / more than 50,000 boreholes in different fields

Navigation input: DGPS

Data Input/Output: RS232 and Bluetooth[®] technology

Data export: ● Format for VALLON EVA 2000[®]
● Format for UXO software of other suppliers

Environmental conditions: Drop resistant MIL 810F 516 TV
Watertight/Dusttight IP65

Dimensions VFC2: 121 x 76 x 23.5 mm (H x W x D)

Weight VFC2: approx. 0.2 kg

Dimensions transport case: 41 x 32 x 17 cm

Transportation weight of complete set: approx. 3.3 kg

All technical data are subject to change without prior notice.

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VALLON FIELD COMPUTER VFC2

The new datalogger VFC2 is a ruggedized PDA with integrated software Vallon EVA 2000® mobile for data acquisition on land and in boreholes.

The watertight and lightweight housing allows multi-functional use. The *Bluetooth*® input offers cable-free operation as well. The battery capacity of the inbuilt accumulator is approx. 10 hours for permanent data recording via cable RS232 and approx. 7 hours for permanent *Bluetooth* use.

Detection on Land

The VFC2 is fixed to the carrying bar of the ferrous locator by means of a ball headed mount. Data recording is made via connection cable or *Bluetooth* technology. In case of GPS-navigation data recording is always made via connection cable. *Bluetooth* technology keeps the connection to the GPS.

During data acquisition, the screen can be switched over to a navigation aid which visualizes the tracks. One ferrous locator or metal detector can be connected directly. The data transfer from more than one ferrous sensor (2 - 4 sensors) requires additionally the Vallon Central Unit VCU2 which is to be connected between the sensors and VFC2.

Detection in Boreholes

For detection in boreholes, it is recommended to fix the VFC2 to the operator's arm. All boreholes are examined according to the borehole plan. The data coming from the electronics of the ferrous locator EL1303D2 or the VCU2, can be transferred via RS232 or *Bluetooth* technology to the VFC2. Thus, detection work in boreholes can be done by one operator only.

The simple menu navigation is made with a pin on the touch screen, for example text entries, marking ranges on a map etc.

The typical functions required for data acquisition are entered via the rigid pushbuttons of the VFC2.



Real-time navigation aid for DGPS



Text entry



Real-time data monitoring: scrolling curve of survey data



Real-time data monitoring: scrolling colour map