Vallon VMXV Vehicle mounted multi sensor system (customized solutions)

General description

Vallon’s vehicle-mounted multi-sensor systems can be customised for time-saving detection of unexploded ordnance, metallic mines or other metal-residue waste over large areas on land or in water. Such combinations of metal detectors (EMI) and difference magnetometers (fluxgate) have been available from Vallon since 1999.

The VMXV8 can be specifically customised in several ways, but its operation is based on its standard electronics unit for the multi-sensor applications. The search head and the sensors are customised platforms with a maximum of 16 channels. The measured values are transferred to a laptop which serves as an operation panel and data acquisition unit.

In order to achieve data-recording true to scale, it is recommended to keep the driving speed absolutely constant, or else to use a DGPS* navigation system, which allows the driver to examine the complete area without any blind spots.

A laptop is provided with the VALLON EVA2000® 2.0 evaluation software which allows data-recording and navigation. It also enables a subsequent evaluation of survey data and control of a relay box to connect, for example, colour marking systems.
* DGPS is a Differential Global Positioning System

Main components of the VMXV8:
- Multi-sensor electronics in a weatherproof housing
- Customised sensor platform for EMI and fluxgate sensors for land and/or underwater application
- Relay box with 8 - 16 channels, potential free contacts
- USB Memory Stick
- Portable laptop with USB memory stick, data transfer cable and 12 V DC-adapter
- VALLON EVA2000® 2.X. software

Test and evaluation
The manufacturer allows access to test reports on request.

Most suitable for

**Technical specification**

**Protective performance**

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