Vallon VMR2

General description

The Vallon VMR2 Dual-Sensor-Detector (called Minehound) is a combined metal detector (MD) and ground penetrating radar (GPR) system designed specifically for use in humanitarian demining operations and military operations using advanced technology.

Vallon has built the VMR2 by combining the techniques of its VMH3 metal detector with a custom-designed one GHz GPR designed by Cobham Technology Services, formerly ERA Technology Ltd. The GPR is a time-domain radar, transmitting one ns duration pulses at a repetition frequency of one MHz. A dedicated state-of-the-art DSP processor is used to provide all control and signal processing functions.

Test and evaluation

The manufacturer allows access to several test reports.

Three reports about field trials in Cambodia, Bosnia and Angola:

The GICHD would like to thank the Government of the Federal Republic of Germany for its generous financial support for this project.


3) Dibsdall I., MINEHOUND tests underway in Cambodia and Bosnia, September 2005

The first two test are available under "Related Reports & Publications" in the right-hand column.

Most suitable for

**Technical specification**

Protective performance

Model
Vallon VMR2

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