Vallon VMC1

General description

The VMC1 Metal Mine Detector has been designed for highly accurate detection of all types of metallic mines, plastic mines with minimal metal content, bombs, ammunition and other metallic objects in the ground or in shallow water.

It is a one-piece retractable detector, supplied in a soft carrying bag with a carrying belt, that houses the complete mine detecting set and an optional non-magnetic prodder. Its small size means that it is easily transported and stored. Ergonomic operation and indication elements integrated in the detector housing ensure easy operation and minimum training. Metal alarm is by audio signal, visual bargraph and vibration alarm.

Operator controls are limited to one mode selector with two soil programmes and three push-buttons for setting sensitivity level, volume of the audio signal and compensation/ground balance. Another push-button integrated in the handle is used to activate the pinpoint mode. Data input allows for further upgrade of the detector’s firmware.
Along with its digital signal processor, the VMC1 uses an advanced pulse-field function specially improved by Vallon. It can work in mineralised soils, such as laterite, magnetite and magmatite, as well as in shallow salt and fresh water, and under the electromagnetic influence of main power lines without greatly affecting sensitivity.

Main components of the VMC1 are:

- Oval search head with telescopic carrying bar.
- Detector electronics with integrated non-magnetic loudspeaker, power supply and battery compartment.
- LED bargraph with 14 elements and a vibrator.
- Three robust push-buttons for sensitivity control, volume control and ground compensation on the front of the housing.
- ON/OFF switch for two different ground conditions.
- Push-button integrated in the handle to activate the pinpoint mode
- Non-magnetic test piece
- 1 set (3 EA) round cells 1.5 V IEC R 14 Alkaline C-size
- Operation manual
- Field manual
- Field backpack for storing the complete detector with all accessories

Optional accessories: (available on request)

- Headset
- Hard case for storing the complete detector with all accessories
- Non-magnetic prodding needle

The detector complies with environmental conditions according to MIL STD 810F, 501.4-II, 502.4-I, 502.4-II, 503.4, 506.4-III, 514.5 C1.

Test and evaluation

The manufacturer allows access to test reports on request.

Most suitable for

Technical specification
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