Guartel
Technologies Ltd

MD3000

MULTI-PURPOSE METAL DETECTOR

DESCRIPTION

The MD3000 is a versatile multi-purpose metal detector suitable for use by police, military and civilian users. It addresses requirements for crime scene and area search, explosive ordnance clearance and post-event investigation.

The MD3000 builds on the trusted performance of the MD2000, approved and used by police services around the world. The new detector introduces simplified controls, an improved ergonomic design and advanced battery management. It is weather resistant and designed to withstand extended periods of use in harsh environments while providing a high level of sensitivity.

The detector is particularly easy to use, with simple and intuitive controls. The instrument is made ready simply by selecting the required sensitivity level from one of three preset levels. For operator confidence, a status LED illuminates green when the unit is on and operating correctly and flashes to indicate low battery conditions.

Target detection is indicated by an intuitive LED array and audio tone, delivered by an internal sounder or optional earpiece.

The detector is microprocessor controlled, performing continual background diagnostics and advanced power management functions.

The instrument is powered with three easily replaced 'D' cells. The power-efficient design gives approximately 12 hours of use from a single set of alkaline batteries. The unit will also operate from rechargeable nickel-metal-hydride cells.

T: +44 (0)20 7384 3001

www.guartel.com

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The MD3000 includes easily interchangeable detection heads: a robust halo for rapid area search, a probe for searching drains, culverts, hedges and undergrowth. The electronics are assembled and tested using computer controlled equipment for a high degree of reliability and are housed in a slim, rugged and ergonomic case.

SPECIFICATIONS

Key Features

Target detection indicated via LED display and audio tone. Three preset sensitivity levels.
Interchangeable detection heads: Halo for rapid area search, Probe for drains & culverts. Automatic self-test and calibration for operator confidence and ease of use. Optimised power consumption. Low battery indication.

Controls

Off / Sensitivity: Four-position rotary control
Instant Null: Push button
Audible Alarm: Rotary volume control

Indicators

Visual: Green power LED indicates that the unit is switched on; flashes to indicate low battery.
Red LED array indicates target detection strength.
Audible: Internal sounder produces tone of increasing frequency to indicate target detection.
Periodic confidence click assures user of correct operation. Optional earpiece (supplied)

Battery

Type: non-rechargeable - 3 off 'D' cell, alkaline manganese, [IEC type LR20] rechargeable - 3 off'D' cell, nickel metal hydride rechargeable cells [IEC type HR20]
Operating time: 12 hours continuous operation using standard alkaline battery (typical use)

Weight

2.1 kg assembled with probe including batteries
2.4kg assembled with halo including batteries

Construction

Two part instrument - control body plus interchangeable halo detection head or probe detection head

Electronics

Microprocessor controlled self-calibrating detection circuitry, implemented on surface mount PCB.

Temperature Range

-20·C to +50·C

Humidity

95% maximum non-condensing.

Shock

Survives 0.75 meter drop onto concrete.

GUARTEL TECHNOLOGIES LIMITED **T:** +44 (0)20 7384 3001 **E:** info@guartel.com **W:** www.guartel.com

Head Office and R&D
4 Ravenscroft Court
Buttington Cross
Welshpool
Powys, SY21 8SL
United Kingdom

Production Facility
Unit 8-11 New Forest Enterprise Centre
Rushington Business Park
Chapel Lane
Totton, SO40 9LA
United Kingdom

CAGE Code: U4586
DUNS No: 641176024
VAT No: GB287064870