Guartel
Technologies Ltd

WD10

WIRE DETECTOR

NSN 6665-99-153-5169

DESCRIPTION

WD10 is a high performance passive command wire detector for use by CIED Search teams and IEDD operators. The detector is easy to use, having simple controls for power and pin-pointing a target. Target detection is indicated by a clear audible alert, via the integral sounder or an optional earphone.

The detector is supplied in two parts that are easily assembled for use and split apart for transport using a simple hand-tightened collar fixing. Total time to make operational from packed transit case is less than 3 minutes.

The detector uses sophisticated digital detection and performs automatic calibration to ensure that sensitivity is always optimal. The advanced microcontroller design also performs power management functions and continual background diagnostics.

WD10 is powered by three standard alkaline D cells giving more than 12 hours of typical search use.

The detector features a unique ergonomically designed handle allowing prolonged search periods without strain. The advanced electronics are protected by a lightweight, high strength metal enclosure.

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www.guartel.com

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Key Features

- Detection of surface and buried command wires
- Passive detection method – no radiating elements
- Target detection indicated by variable tone
- Automatic calibration for ease of use and optimum sensitivity
- Low power drain for long battery life
- Controls Power/ sensitivity control
- Alert volume control
- Indicators Instrument on / function / battery low warning
- Confidence click indicates correct operation
- Integral loudspeaker for alert tone
- Earphone socket – automatically suppresses loudspeaker

Battery

Type: 3 off D (IEC-LR20) alkerline manganese cell

Operating time: 40 hours using professional alkerline battery (typical use)

Option: Rechargeable battery pack

Housing: No tools required for fitting

Dimensions

- Assembled detector: 1380mm long x 45mm diameter
- Widest dimension: 200mm to peak of handle
- Mass: 2,2kg with batteries fitted
- Construction: Aluminium alloy extrusion, GRP probe

Environmental

- Material finish: green-grey drab
- Temparature range: -15°C to +60°C
- Submersion: probe submersible up to junction with control housing
- Shock: Survives 0.75 meter drop onto concrete

Typical Performance Target Detection distance Detection position

- 50m wire 225mm centre of wire
- 50m wire 50mm within 2m of wire end
- Performance depends on wire length, buried depth, orientation of wire to ambient radio field, ground conditions and other factors

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