ELPAM ELECTRONICS Ltd.

Hand Held Metal Detector Model 302M

The 302M model is weapon/metal Detector for personal search.

This model is a portable device to detect weapons and items made of metal hidden on the human body, packages, etc. It's small and compact device.

Principle of operation

It detects the metal object using probing coil that curved at the top of the detector.
When the metallic body discovered, you receive auditory display at the loudspeaker and frontal at alarm LEDs (yellow).
It is possible to connect external headphones.

Features

The detector housing made by ABS in a flat two – piece construction, which makes it unbreakable, even if handled roughly.
In use, the Detector requires no adjustments, except selecting the high/ low sensitivity range required.
The shape and balance of weight designed for easy handling, and the sword like shape facilitates easy search in narrow crevices, under the arm- pits and along the legs.
Inbuilt plug for earphone and/or charger.

Performance

Will detect concealed objects (when the device is in high sensitivity):
- Handguns – at a distance of 200 mm.
- Magazine – at a distance of 200 mm.
- Single 9 mm bullet – at a distance of 130 mm.
- Mini – grenade – at a distance of 150 mm.
- 3"Knife – at a distance of 130 mm.

(It does not matter if the item is hidden under clothes or packages).

Power Supply

The Metal Detector includes one Rechargeable 9V battery that provides about 13 hours of operation per charge, or one dry Alkaline 9V battery, which provides about 20 hours of Operation (may be used, in case charger not available).
After the hours of operation, the audible alarm starts and the LED display (red) goes off, thus indicating that the batteries are down and require recharging or replacement (Alkaline).

Specifications

Dimensions and Weight of the instrument
- Length: 480 ±5% mm.
- Width: 41 ±5% mm.
- Height: 67 ±5% mm.
- Probing coil diameter: 119 mm.
- Weight: 520 gr (incl. battery).

LED's
The red LED lights when the Detector switched ON.
The yellow LED lights with detection.
Disclosure views:
- Internal speaker.
- Yellow LED.

Device sensitivity
Device option between two sensitivities: high sensitivity and low sensitivity.
- High sensitivity to discover small metal objects such as balls, firecrackers, etc.
- Low sensitivity to discover large metal objects such as a gun, knife, etc.

Controls
- The detector has three-mode switch:
- Central state – state amended (OFF).
- Forward mode – high sensitivity (HIGH).
- Rear condition – low detection sensitivity (LOW).

Dimensions and Weight of the Power Supply
- Length: 75 ±5% mm.
- Height: 59 ±5% mm.
- Width: 25 ±5% mm.
- Weight: 70 gr.

Electrical data – Detector
- Working voltage from 6.5 to 13 volts.
- Current consumption (without disclosure) 5 ± 20 mA.
- Current consumption (with disclosure) 30-40 mA.

Electrical data – Power Supply
- Input Voltage 100-240 volts (AC), 50/60 Hz.
- Double insulation.
- Power Output – 15 Volt (DC).
- Current – 250 mA

Compliance with environmental conditions
- Temperature: -5 °C – +60 °C.
- Humidity: 85% RH.

Electrical data – Charger
- The charger built into the detector.
- Charging time battery voltage without charge: 20 hours.

Electrical data – Batteries
- Alkaline 9V battery used, in case charger not disposable.
- Alkaline 9V battery provides 20 hours of operation

Optional Accessories (sold separately)
- **A.** Tremor - Additional Vibration alarm
- **B.** Headphone
- **C.** Carrying case
- **D.** Charger eight units together (MDC-8)

Features and Specifications are subject to change without prior notice