Mine Detector

AET-M3E



This advanced mine detector is engineered for comprehensive threat identification in diverse operational environments. Designed for both wartime clearance and post-conflict demining, it effectively locates buried landmines and unexploded ordnance. Beyond the battlefield, it serves as a critical tool for international peacekeeping, counter-terrorism, and security operations, capable of detecting explosives, firearms, and knives concealed underground, underwater, or within structures to facilitate safe disposal.

Key Features

- ***High-Sensitivity Detection Technology:*** *Utilizes innovative multi-pulse-width bipolar pulsed electromagnetic induction to achieve superior sensitivity, with a detection range over 16 cm for Type 72 and at least 15 cm for GLD111 anti-personnel mines.*
- ***Superior Soil Adaptability:*** *Features an advanced soil background suppression algorithm that eliminates interference, ensuring reliable high-sensitivity performance in complex environments such as alkaline soil, magnetic soil, and seawater.*
- ***Ergonomic and Portable Design:*** *Constructed with a foldable integrated structure that is lightweight and well-balanced, allowing for easy transport and one-person operation in the field.*
- ***Rugged Durability with IP68 Rating:*** *Engineered to withstand harsh conditions with an IP68 waterproof rating, ensuring reliable performance in rain, shallow water, and extreme temperatures.*

Specifications

Title	Details
Total Weight during Operation	≤ 3 kg
Detection depth	≥ 15 cm (for GLD111 anti-personnel mines)
Operation Length	90 cm ~ 130 cm, continuously adjustable
Search head diameter	≥ 20cm
Alarm mode	Audible alarm and LED display
Soil adaptability	General soil, magnetic soil, alkaline soil, and red soil
Battery	4 × D-type batteries (alkaline, or 1.5 V lithium / 1.2 V NiMH rechargeable)
Continuous working time	≥ 12 hours (at room temperature, with standard battery)
Operating Temperature	-40 °C to +55 °C (-40°F to 131°F)
Storage temperature	-51°C to +71°C (-60°F to +160°F)
Protection level	IP68

