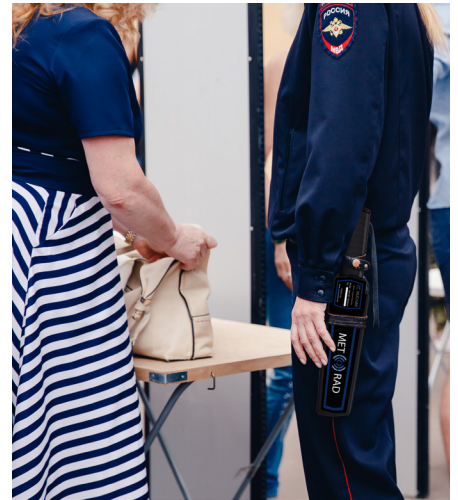
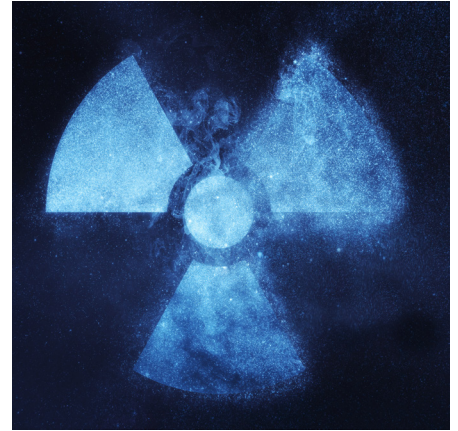


MetRad 1 Handheld Radiation and Metal Detection Wand



Features

- Ultimate Sensitivity
- Self-Calibrating to Different Backgrounds
- Rugged and Lightweight
- Sound and Vibro-alarms

Applications

- Airports and Seaports
- Custom and Border Protection
- Events and Building Security
- Critical Infrastructure Protection



MetRad 1

Handheld Metal and Radiation Detection Wand



MetRad 1: Handheld Radiation and Metal Detection

Description

The MetRad 1 from Berkeley Nucleonics offers inspectors a dual-function scanner with full metal and radiation detection functionality. This small, lightweight device is ideal for fast localization of both metal and radioactive materials. Scanning baggage and personnel can be accomplished with ease and effectiveness since the detector can be placed near the contraband material with high sensitivity even in the presence of heavily shielded material.

The MetRad 1 has an efficient CsI detector with a SiPM that provides excellent response and robust durability. Auto-calibration and disposable or rechargeable batteries ensure quick and easy deployment in a wide variety of applications.

The MetRad 1 can reduce the overall number of instruments that agents, law enforcement, and public officials need to wear. By melding the radiation detector into an existing security technology (metal detection wand), the MetRad 1 ensures continuous radioactive awareness without the need of additional equipment.

Specifications

Three-color LED Indication	Green LED= ON Blue LED= GAMMA ALARM Red LED= METAL ALARM
Gamma Energy Range	15 keV to 3 MeV
Detector, Gamma	3 cc CsI(Tl) with SiPM
Minimum Metal Detection Distance in Air	Knife: 150 (± 10) mm Pistol: 200 (± 10) mm Magnetic plate: 100x100 mm Lead container: 200 (± 10) mm
Operating Temperatures	20 oC to +50 oC
Humidity	Up to 95% at 30 oC
Pressure	84 kPa to 106.7 kPa
Size	420 x 85 x 45 mm
Weight	400 g
Battery	One 9V (included)
Battery Lifetime	500 hours