



Radiation and Metal Detector Wand

Model Series: RAD-MET-TA

Features

- Dual Function Detector
- Detects – Gamma
- Detects – Metal
- Small, Lightweight
- Cesium Iodide (CsI) Crystal Scintillator Radiation Detector in Paddle
- Self-Calibrating to Different Backgrounds
- Alarms – Visual and Audio
- Battery 500 Hours

By reducing the overall number of instruments that agents, law enforcement, and public officials need to wear and utilize assures quicker scans and more robust and timely information. The ability to have continuous radioactive awareness without the need of additional equipment to augment the metal detectors already in use is more efficient and cost effective than simply adding an additional instrument. This dual-purpose instrument is the solution.

Application

Security Checks for Radioactive Contamination and Metal:

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

Description

Merging existing technology for metal scanning with radiation detector into an easy-to-use lightweight handheld wand provides security officers with a robust multi-use instrument. With 2 different LED indicators and 2 different alarm tones to notify the operator which type of threat is alarming.



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Specifications:

Three-color LED Indication	Green LED = ON Blue LED = GAMMA ALARM Red LED = METAL ALARM
Audio Alarm	2 tones (1) for each threat: Radioactive or Metal
Gamma Energy Range	15 keV to 3 MeV
Detector, Gamma	3 cc <u>CsI(Tl)</u> with <u>SiPM</u>
Minimum Metal Detection Distance in Air	Knife: (±10) 6" (150 mm) Pistol: (±10) 8" (200 mm) Magnetic plate: 4" x 4" (100x100 mm) Lead container: (±10) 8" (200 mm)
Operating Temperatures	68°F to 122°F (20°C to +50°C)
Humidity	Up to 95% at 30 <u>oC</u>
Pressure	84 kPa to 106.7 kPa
Size	16.5" x 3.4" x 1.8" (420 x 85 x 45 mm)
Weight	1.7 <u>lbs</u> (400 g)
Battery	One 9V (included)
Battery Lifetime	500 hours



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