

Model CT007-N NanoNuke

Radiographic Survey Meters

model

CT007-N
NanoNuke



Features:

- Compact, Lightweight, Extremely Sensitive
- Low cost
- Single-Button Local Operation
- Connects to GammaGuard via Bluetooth Low Energy (BLE)
- State of the art solid state detector
- Rich user interface provided by smartphone display
- Capable of logging data to the smartphone, or to RadResponder
- Requires 2 standard AAA batteries



CT007-N NanoNuke

The Nanonuke is a very small, yet highly sensitive radiation detector that fits into the smallest pocket, without pinching the wearer. It can connect to a smartphone via Bluetooth Low Energy (BLE). When connected to a phone, our GammaGuard app provides a rich user interface (UI). The user only interacts with the phone and NanoNuke remains ergonomically out of the way in the user's pocket or at a remote location. This is ideal for covertly checking an area for radiation. The GammaGuard app can run in the background and alert the user of elevated radiation levels.

The GammaGuard app allows for time and date stamped data logging with GPS coordinates. The data can be logged to a file on the phone and it can (optionally) be logged to web based databases, such as RadResponder, facilitating a coordinated incident response.

Two NanoNukes can be connected to GammaGuard at the same time and can be used as a directional radiation detector (patent pending). Prior to NanoNuke, specialized direction finding equipment was large, bulky, complex, fragile and expensive.

Detector: CsI(Tl) scintillator and silicone photo-multiplier

Measurement Units: User selectable (μSv , mRm or counts)

Sensitivity: ~ 1100 CPM/ $\mu\text{Sv/h}$ (Cs-137)

Range: 0 to 2500 $\mu\text{Sv/h}$, 0.2 Rem/h, 3,000,000 CPM

Resolving Time: 15 microseconds

Response Time: User selectable from 1 to 30s or Auto. Display updates every second

Local Display: 2.2 x 1.2 cm OLED. Font size automatically adjusts to display as many digits as needed.

Local Controls: One push button - short press (<2s) to toggle screens; long press (>2s) to enter/exit sleep mode

Wireless communication: Bluetooth Low Energy connecting to GammaGuard.

Operating Time: 300 hours connected to GammaGuard, 130 hours if using local display.

Size: 5 x 9 x 1.5cm (2 x 3.5 x 0.6 in.)

Weight: 65 g (including batteries)