

# Model 951 *nukeALERT* Radiation Detector



#### End Users

- Public Safety Officers (Federal, State, Local)
- First Responders
- Border Patrol
- HAZMAT Teams
- Cargo Inspectors
- Radiation Safety Officers
- Military Forces

#### Features and Benefits

- Simple to use, no training required
- 1 second response to full readings
- Bright display for night or day operation
- Audible chirp or discreet vibration alarm
- Extremely low false alarm rate
- Automatic calibration to filter varying background levels
- Rugged Enclosure
- Watertight to withstand extreme weather conditions
- Standard belt clip attachment
- 2-year battery life, self powered

The *nukeALERT 951* is the essential radiation detector to disclose the presence and intensity level of gamma radiation for non-technical personnel. It's small, rugged, watertight and more sensitive than commonly used first responder radiation meters. Enhanced sensitivity is especially important when one is dealing with concealed radioactive material, where the radiation levels may vary based on distance and shielding.

The *nukeALERT 951* discreetly detects gamma radiation with either a vibration or audible alarm. The unit has a 2-year battery life and automatically recalibrates in high background environments. The belt clip and bright visual display promotes hands-free operation for the end user. The rugged micro-sized package provides a watertight, robust monitoring tool for HAZMAT and emergency response teams.

In the event of a radiological emergency, team members equipped with the *nukeALERT 951* can quickly and cost effectively monitor a large area because of a dramatic improvement in detector sensitivity and response time. Ease of use, sensitivity and operability under harsh environmental conditions make the *nukeALERT 951* ideal for responders who work in emergency services, hazardous materials, and counter-terrorism.

# Model 951 nukeALERT Radiation Detector



The unit fits inside a protective pouch and secures to the belt of the user while in operation or for transportation.

## **nukeALERT** MODEL 951 RADIATION DETECTOR

- Turn on at inspection site.
- Self calibrates for 30 seconds  
At the beep, unit is detecting
- Radiation measured from "1" (low) to "9" (high).
- "L" replacement with two AA

The rear panel of the instrument defines all display symbols, eliminating the need for carrying along a user manual.

<b>Function</b>	Gamma ray detection
<b>Detector</b>	Cesium Iodide Scintillator
<b>Battery Life</b>	2+ years @ 48 hrs/week
<b>Batteries</b>	2 AA Alkaline
<b>Response Time</b>	< 1 second
<b>Energy Response</b>	down to 20 keV
<b>Notification</b>	<ol style="list-style-type: none"> <li>1. Audio alarm; beeps increase based on radiation strength</li> <li>2. Vibration; vibration pulses increase based on radiation strength</li> <li>3. Flashing LED; flashes increase based on radiation strength, color changes from orange to red</li> <li>4. LED with readout "1" through "9" with "9" highest. Dose rate equivalence chart provided in the manual.</li> </ol>
<b>Calibration</b>	Automatic when turned on. Self adjusts when high background is present.
<b>Placement</b>	Belt clip or belt pouch
<b>Size</b>	3.75" x 2.5" x 1.25"
<b>Weight</b>	6.4 oz with batteries
<b>Environment</b>	Heavy Rain -10° F to 122° F, -23° C to 50° C Day or night visibility Passes 3 feet drop test on concrete