

nukeALERT Personal Radiation Detector Model 951



Features of the 951:

- 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

Applications:

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



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nukeALERT Personal Radiation Detector [PRD]

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



The unit fits inside a protective pouch and clips conveniently to the user's belt for hands-free operation.

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 reliability under harsh environmental conditions make the nukeALERT 951 ideal for responders who work in emergency services, hazardous materials, and counter-terrorism.

SPECIFICATIONS:

Function	Gamma ray detection
Detector	Cesium Iodide Scintillator
Battery Life	2+ years @ 48 hrs/week
Batteries:	2 AA Alkaline
Response Time	< 1 second
Energy Response	down to 20 keV
Notification	1. Audio alarm; beeps increase based on radiation strength 2. Vibration; vibration pulses increase based on radiation strength 3. Flashing LED; flashes increase based on radiation strength, color changes from orange to red 4. LED with readout "1" through "9" with "9" highest. Dose rate equivalence chart provided on the instrument.
Calibration	Automatic when turned on. Self adjusts when high background is present.
Placement	Belt clip or belt pouch
Size	3.75" x 2.5" x 1.25"
Weight	6.4 oz with batteries
Environment	Heavy Rain, -10° F to 122° F, -23° C to 50° C, Day or night visibility Passes 3 feet drop test on concrete



All display symbols are defined on the rear panel of the instrument, eliminating the need to carry a user manual.

CALIBRATION DATA	
Typical Calibration Data for nukeALERT	
ALARM LEVEL	DOSE RATE mRem/hr
1	0.035
2	0.040
3	0.055
4	0.065
5	0.100
6	0.200
7	0.350
8	0.600
9	1.100

Typical calibration data for nukeALERT.