

Model 901 - Key Chain Radiation Detector



Features & Specifications

- Tested & Verified by Naval Air Warfare Center
- Always "ON" 24/7, Includes long-life 10+ year battery
- Detection Range: 100 mR/hr to 5,000 R/hr,
- Metering: 100 mR/hr to 50 R/hr, in 10 calibrated ranges
- Proportional Increasing Chirp Rate: 50 R/hr to 5,000 R/hr
- Gamma and X-rays from 20 keV to above 2 MeV
- Sensitivity incl. higher emergency radiation levels
- Alarm "chirp" corresponds to chart on back of device
- Introduced before Health Physics Society - 1/03
- Performance verified by Nat'l Radiological Laboratory
- Each unit individually radiation accuracy tested
- Patented technology
- Made in the U.S.A.



Overview

The Model 901 Key Chain Radiation Detector for Upper-Range Radiation is an effective and easy to use system for detecting dangerous levels of radiation.

More than just a radiation detector, the NukAlert™ is a patented personal radiation meter, monitor and alarm. Small enough to attach to a key chain, the device operates non-stop, 24/7 and will promptly warn you of the presence of unseen, but acutely dangerous levels of radiation.

Used nationwide by federal, state and local first responders, law enforcement and the Dept. of Defense, the device is the ideal solution for increasing individual security and awareness of radiological threats. It will be very reassuring to know, with confidence, when you and your family are out of the worst danger.

SPECIFICATIONS:

- Detects Gamma & X-ray radiation: 20 keV to 2+ MeV
- Detection Range: 100 mR/hr to 5,000 R/hr
- Sensitivity: 100 mR/hr to 50 R/hr indicated in 10 ranges
- Proportional Increasing Chirp Rate: 50 R/hr to 5,000 R/hr
- Indication: Repeating groups of rapid countable chirps
- Operational indicator: faint "ticking" = operating OK.
- Alarm loudness: ~ 61 dBA (speaking volume)
- Durability: Functional after 6' drop or submersion to 6'
- Battery: Operational Life Expectancy @ room temp:
 - Non-alarming (normal operation) - 10 to 15 years
 - Alarming continuously at single chirp level - 3 years
 - Alarming continuously at highest alarm level - 3 months
- Detector: Patented CdS photo resistor coupled to a rare earth phosphor scintillator
- Housing: hermetically sealed, radiation transparent, abrasion resistant ABS plastic
- Accuracy: Within +/- 1 chirp
- Response Time: Dose rate dependent:
 - ~3 - 4 min. @ 100mr/hr
 - seconds @ R/hr ranges
- Accumulated dose chart on back
- EMP immunity: Meets MIL-STD-461D, RS105
- Over range survivability: Functional after 5K R/hr. for 2hr.
- Temperature Range: -20 C to +50 C
- Physical: 1.75"x1.25"x .75H (LxWxH), Wt <1.0 oz.

