Model RAD-60
Solid-State Personal Dosimeter

The RAD-60 personal dosimeter is an extremely compact, solid-state electronic device utilizing a high-performance, energy-compensated silicon diode to measure dose and dose rate in real time. It features an audible alarm that alerts the user immediately that a preset dose or dose rate level has been reached. Dose rate may be monitored by an audible chirping function that can be disabled with a switch.

A single front panel push button provides the following functions: power on/off, chirp on/off, dose/dose rate, integrated dose reset, alarm threshold change and battery check.

A single, easily obtainable AAA alkaline battery supplies power for approximately 1800 hours at background levels in dose mode.

Specifications
- Radiation detected: Gamma and x-rays from 30 keV to 1 MeV
- Display: Large LCD
- Detector: Energy compensated silicon diode
- Energy response: ±25% from 60 keV to 3 MeV; ±35% from 60 keV to 6 MeV
- Range: Dose: 0.1 mrem to 999 rem or 1 μSv to 9.99 Sv
- Dose rate: 0.5 mrem/h to 300 rem/h or 5 μSv/h to 3 Sv/h
- Dose rate linearity: Better than ±15% up to 300 rem/h
- Controls (front panel push-button selects):
  - Power ON/OFF
  - Chirp ON/OFF
  - Rate/Dose rate
  - Dose reset
  - Alarm threshold
  - Battery check
- Alarm: Audible, 85 dB piezoelectric buzzer, with specific sound for dose or dose rate
- Power: One AAA alkaline battery, 1800 hour life at background levels in dose mode
- Dimensions: 78 mm x 67 mm x 22 mm (3 in x 2.6 in x .86 in)
- Weight: 80 g (2.8 oz)

Accessories
- ADR-1 Reader and configuration software option
  With the optional ADR-1 dosimeter reader and RADOS-PC user-friendly, Windows®-based configuration software, dose readings can be downloaded to a computer via infrared communication. The software also allows changing the units of radiation and alarm levels for dose and dose rate.

Features
- Energy compensated silicon detector
- Rugged, shockproof and decontaminable
- Large LCD displays instant dose or dose rate reading
- Dose rate chirp and audible alarm function
- Optional reader and software available