



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.



ADR-1 Dosimeter Reader

Facilitates the download of dose readings straight into the computer via infrared communication.

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