

RAD-60

Alarming Personal Dosimeter



The RADOS RAD-60 Personal Alarm Dosimeter is a precise and reliable instrument for ensuring the personal safety of the user. Ideally, the RAD-60 is used in everyday radiation monitoring, in stand-alone conditions. If your needs grow for a more sophisticated system, the RAD-60 can also be integrated into an Access Control System. The RAD-60 can be switched into System Mode, for the purpose of tracking Personnel Dose records and compliance reports.

Detector

Energy compensated Si-Diode

Button Functions

- change display (dose/dose rate)
- switch ON/OFF
- chirp ON/OFF
- reset integrated dose
- change alarm thresholds
- activate battery test

Measurement Range

Dose: 1 μ Sv - 9.99 Sv or 0.1 mrem - 999 rem

Energy Response

Hp(10), 60 keV - 3 MeV, better than + or - 25%, up to 6 MeV, better than + or - 35%

Dose Rate

5 μ Sv/h - 3 Sv/h or 0.5 mrem/h - 300 rem/h

Dose Rate Linearity

Better than + or - 15% up to 3 Sv/h (300 rem/h)

Calibration

Better than + or - 5% (Cs-137, 662 keV at 2 mSv/h), Hp(10)

Audible Alarms

Seven separate alarms, sound level typically better than 85 dBA at 30 cm

- integrated dose
- dose rate
- dose overflow
- dose rate overflow at 3 Sv/h or 300 rem/h
- low battery 1 and 2
- defect

Alarm Thresholds

Six preset values each for integrated dose and dose rate-push button selection

Connectors

Infrared communication via bottom of the dosimeter

Power Requirements

One triple A alkaline cell, typical life is 1800 hours in background

Temperature Range

-20 - + 50° C operational, humidity up to 90% RH, non-condensed

-20 - + 70° C storing

Weight

80 g (including battery)

Size

78 x 67 x 22 mm



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