



REPRESENTACIONES INDUSTRIALES C Y M SAC

- *Venta de Equipos NDT*
- *Venta de Accesorios NDT*
- *Venta de Productos para Seguridad Industrial*

Detector de Radiación Personal – RAD 60



model
RAD-60 Personal Alarm Dosimeter

RADOS RAD-60R - Personal Electronic Alarming Dosimeter

The RAD-60 Personal Alarming Dosimeter is a precise radiation measuring instrument for reliable detection of radiation in order to ensure the personal safety of the user. It is suitable for a broad range of everyday radiation monitoring purposes in stand alone conditions.

FEATURES:

- Enhanced EMI immunity
- Improved wear-out and decontamination properties
- Individual Personal Alarming Dosimeter
- Digital display for integrated dose or alternatively dose rate
- User selectable alarm levels for both dose and dose rate
- Detector system utilizes high quality energy compensated Si diode and advanced mathematical dose rate linearization
- Splash-proof mechanical construction, high impact plastic with strong pocket clip



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TECHNICAL SPECIFICATIONS:

Radiological Characteristics

- Radiation detected: gamma and X-rays
- Detectors: energy compensated Si-Diode
- Measurement range: dose: 1 μ Sv - 9.99 Sv or 0.1 mrem - 999 rem
dose rate: 5 μ Sv/h - 3 Sv/h or 0,5 mrem/h - 300 rem/h
- Calibration: better than $\pm 5\%$ (Cs-137, 662 keV at 2 mSv/h), Hp(10)
- Energy response: Hp(10), 55 keV - 3 MeV, better than $\pm 25\%$, up to 6 MeV, better than $\pm 35\%$
- Dose rate linearity: better than $\pm 15\%$, up to 3 Sv/h (300rem/h)

Functional Characteristics

- Alarm thresholds: six preset values each for integrated dose and dose rate, manually selectable by push-button
- Front panel push-button functions: toggle between dose and dose rate display
switch ON/OFF
chirp ON/OFF
reset integrated dose
change alarm thresholds
activate battery test
- 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

Electrical Characteristics

- Power supply: one triple A alkaline cell, life typically 1800 h in background field (dose mode)
- Reader communication: by infrared through bottom part; by using ADR-1 Reader Head in combination with RADOS PC software

Mechanical Characteristics

- Dimensions: 78 x 67 x 22 mm (3.07 x 2.63 x 0.86 in)
- Weight: 80 g (2.82 oz) including battery

Environmental Characteristics

- Temperature range: -20 - +50 oC (-4 - 122oF) operational, humidity up to 90% RH, non condensed

Applications

- Civil Defence, Rescue Operations
- Customs Operations, Military Forces
- Industrial radiography, Nuclear Medicine