



RADOS RAD-60 Personal Alarm Dosimeter

NEW



Rados RAD-60 Personal Alarm Dosimeter is a precise radiation measuring instrument for reliable detection and registration 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. Programmable parameters and the ability to operate in extreme environmental conditions make it a uniquely versatile and practical personal dosimeter. The small, lightweight unit can accompany the user anywhere recording the accumulated dose constantly and reliably all the time. The presettable alarms alert the user when exposure limits are being exceeded.

RAD-60 Dosimeter provides better resolution, wider measuring range and superior durability and reliability compared to conventional ionization chambers and it offers viable additional features, like real time digital display and user settable alarms. The design, based on silicon diode detector, enables a compact size and other design features effectively eliminate outside interferences such as shocks and RFI. The electronic design of RAD-60 includes state-of-the-art technology with built-in program memory utilizing self-diagnostic operational checking. The most important working parameters are stored in non-volatile EEPROM memory securing vital information even in power down situations.

RAD-60 is battery operated and utilizes a single standard AAA size alkaline cell. The smooth and ergonomic design of RAD-60 casing is splash waterproof and easy to decontaminate.

ENHANCED EMI IMMUNITY
RUGGEDIZED CLIP FIXING
IMPROVED WEAR-OUT AND DECONTAMINATION PROPERTIES
INCREASED SOUND PRESSURE

Features:

- 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 Case with Strong Pocket Clip

Applications in:

- Civil Defence
- Military Forces
- Rescue Operations
- Industrial Radiography
- Nuclear Medicine
- Customs Operations



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Specifications

Radiation detected:	gamma and x-rays
Detector type:	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), 60 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 (300 rem/h)
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, manually selectable by push-button
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-I Reader Head in combination with RADOS PC Software
Push button functions*:	front panel push button has the following selectable functions - change display priority (dose/dose rate) - switch ON/OFF - chirp ON/OFF - reset integrated dose - change alarm thresholds - activate battery test
Temperature range:	-20 - +50 °C operational, humidity up to 90% RH, non-condensed -20 - +70 °C storing
Dimensions:	78 x 67 x 22 mm
Weight:	80 g including battery
*Note:	the active alarm thresholds and configuration of push button functions can be changed by using ADR-I Reader Head in combination with RADOS PC software

