



RAD-60

Personal Alarm Dosimeter

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.

Applications in:

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

FEATURES

- enhanced EMI immunity
- rugged clip fixing
- improved wear-out and decontamination properties
- increased sound pressure
- individual Personal Alarming Dosimeter
- digital display for integrated dose or alternatively dose rate
- user selectable alarm levels for both dose and dose rate

health physics

A Mirion Technologies Division

Featuring:

RADOS



TECHNICAL SPECIFICATIONS:	
Physical characteristics	<ul style="list-style-type: none"> • Radiation detected: gamma and X-rays • Detectors: energy compensated Si-Diode • Measurement range: <ul style="list-style-type: none"> - dose: 1 μSv - 9.99 Sv or 0.1 mrem - 999 rem - dose rate: 5 μSv/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 (300rem/h) • Audible alarms: <ul style="list-style-type: none"> - eight separate alarms, sound level typically better than 85 dBA at 30 cm - integrated dose - dose rate - dose overflow - dose rate over flow at 3 Sv/h or 300 rem/h - low battery 1 and 2 - defect • Alarm thresholds*: seven preset values each for integrated dose and dose rate, manually selectable by push-button • Push-button functions*: <ul style="list-style-type: none"> - front panel push-button has the following selectable functions: <ul style="list-style-type: none"> - toggle between dose and dose rate display - switch ON/OFF - chirp ON/OFF - reset integrated dose - change alarm thresholds - activate battery test
	*Note: the active alarm thresholds and configuration of push button functions can be changed by using ADR-1 Reader Head in combination with RADOS PC Software.
Mechanical characteristics	<ul style="list-style-type: none"> • Dimensions: 78 x 67 x 22 mm • Weight: 80 g including battery
Environmental Characteristics	<ul style="list-style-type: none"> • Temperature range: -20 $^{\circ}$C to +50 $^{\circ}$C operational, humidity up to 90% RH, non condensed
Electrical characteristics	<ul style="list-style-type: none"> • Power supply: one triple A alkaline cell, life typically 1800 h in background field (dose mode) • Reader communication: <ul style="list-style-type: none"> • by infrared through bottom part; by using ADR-1 Reader Head in combination with RADOS PC software

