

# Rad-60

## Personal Alarming 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 versatile 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 generating compliance reports.

The design includes state-of-the-art technology with built in memory for retrieving dose, even during power-down. It eliminates outside interference from shock and RF. The RAD-60 is easily programmed by the user, has a digital display and operates with a single AAA alkaline battery. See reverse side for technical specifications for the RAD-60.



### With the push of a button, you can:

- Turn the unit ON/OFF
- Change the display to read dose or dose rate
- Select from several dose and dose rate alarm levels
- Turn the chirp function ON/OFF
- Reset integrated dose
- Perform a battery test

Reader and Software available  
for Dosimeter Configuration-  
Calibration-or  
Access Control



# Rad-60

## Personal Alarming Dosimeter

### PUSH BUTTON FEATURES

- Turn unit ON/OFF
- Change display to Dose/Dose Rate
- Select from multiple alarm thresholds
- Turn "chirp" function ON/OFF
- Reset integrated dose
- Perform battery test



**RADOS**  
synOdys Group

### SPECIFICATIONS

Radiation detected:	Gamma and X-Ray
Detector type:	Energy compensated Si-Diode
Measurement range:	Dose: 1 uSv – 9.99 Sv or 0.1 mrem - 999 rem
Dose Rate:	5 uSv/h – 3 Sv/h or 0.5 mrem/h – 300 rem/h
Calibration:	Better than + or – 5% (Cs-137, 662 keV at 2 mSv/h), Hp(10)
Energy response:	Hp(10), 60 keV – 3 MeV, better than + or – 25%, up to 6 MeV, better than + or – 35%
Dose rate linearity:	Better than + or – 15% up to 3 Sv/h (300 rem/h)
Audible alarms:	Seven separate alarms, sound level typically better than 85 dBA at 30 cm <ul style="list-style-type: none"><li>- integrated dose</li><li>- dose rate</li><li>- dose overflow</li><li>- dose rate overflow at 3 Sv/h or 300 rem/h</li><li>- low battery 1 and 2</li><li>- defect</li></ul>
Alarm thresholds:	Six preset values each for integrated dose and dose rate-push button selection
Power supply:	One triple A alkaline cell, typical life is 1800 hours in background (dose mode)
Reader :	Infrared communication via bottom of the dosimeter
Button functions:	Front panel push button has the following selectable functions: <ul style="list-style-type: none"><li>- change display priority (dose/dose rate)</li><li>- switch ON/OFF</li><li>- chirp ON/OFF</li><li>- reset integrated dose</li><li>- change alarm thresholds</li><li>- activate battery test</li></ul>
Temperature range:	-20 – + 50°C operational, humidity up to 90% RH, non-condensed -20 – + 70°C storing

