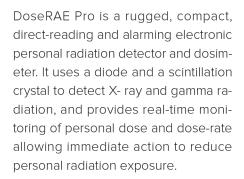
DOSERAE PRO

Personal Radiation Dosage Monitoring





DoseRAE Pro includes a Stay-time countdown timer with warning alarm to allow the user to set a specific time limit when working in a radiation area, limiting the users personal radiation exposure.

- Dosimeter and PRD functionality in a rugged, compact package
- Wide dose rate range and energy range maximizes personal protection
- Fast response time to immediately detect radiation threats
- Ease of use minimizes personnel training & support costs and reduces total cost of ownership

DOSERAE PRO KIT INCLUDES:

- DoseRAE Pro electronic personal dosimeter with belt clip
- Alligator clip
- 1 AA battery
- User manual on CD
- Quick-start user guide
- Calibration and test certificate
- · Warranty/registration card

OPTIONAL EQUIPMENT:

 PRR-1 DoseRAE Pro Dosimeter Reader and software

APPLICATIONS

Nuclear power plants

Environmental survey and clean-up

Fire Departments

Hazardous Material Response Teams

Police

EMS

Military

Industrial safety

Waste management

Hospitals and Medical Clinics



KEY FEATURES

- Rugged electronic dosimeter with high sensitivity Csl Scintillator sensor
- Multiple units with reader and software can be used as a dosimetry system
- Continuous LCD digital dose rate readout in Sv/h or R/h
- Continuously accumulated total dose readout in Sv or R
- Prominent visible, audible, and vibration alarms
- User configurable Stay-Time countdown timer and alarms to prevent excessive radiation exposure
- Fast near field communication wireless data transfer
- · Long calibration life
- Simple two button operation and programming



JATHADHANI COÁ

DOSERAE PRO

SPECIFICATIONS	Specifications subject to change without notice
Gamma Sensors	CsI (TI) + photodiode (low environment radiation), Energy-compensated PIN diode (level of radiation protection)
Dose Rate Range	0.01 μSv/h to 9.99 Sv/h (1 μR/h to 999 R/h)
Accuracy of Dose Rate	$\pm 20\%$ (from 10 $\mu Sv/h$ to 9.99 Sv/h or from 1mR/h to 999 R/h), $\pm 30\%$ (from 0.01 $\mu Sv/h$ to 10 $\mu Sv/h$ or 1 $\mu R/h$ to 1 mR/h)
Dose Range	0.01μSv to 9.99Sv (1μR to 999R)
Dose Accuracy	±15%
Energy Range	50 keV to 6 MeV for X- and gamma radiations
Alarm Alerts	 Loud audible buzzer (85+dB @ 30 cm/12") Highly visible LED lights Built-in vibration alarm Each alarm individually enabled/disabled
Alarm Settings	 Dose: continuously adjustable: 1 μSv to 9.99 Sv (100 μR to 999 R) Dose Rate: continuously adjustable: 1 μSv/h to 9.99 Sv/h (100 μR/h to 999 R/h) Stay Time: 1 to 999 min. "Chirp" alarm: 1 beep per accumulated dose increment (1 μSv to 9.99Sv or 100μR to 999R) All alarm settings are passcode protected with 3 digit code Low battery alert when 48 hours of life remain

Data Storage	3000 points
Datalog Interval	User programmable, from 30 to 3,600 seconds
Communication	Near-field Communications to optional PRR-1 Dosimeter Reader for datalog download, dosimeter programming, factory configuration, calibration and firmware upgrade
Battery	1 AA alkaline battery, easily accessible with a coin
Operating Hours	750 hours of continuous use
Temperature	Operating: -20° to +50°C (-4° to +122°F)
	Storage: -30° to +70°C (-22° to +158°F)
Humidity	5 to 95%, non-condensing
Humidity Shock Resistance	5 to 95%, non-condensing Drop tested from 1.5m (4.9 ft.) onto hardwood surface
	Drop tested from 1.5m (4.9 ft.) onto hard-
Shock Resistance	Drop tested from 1.5m (4.9 ft.) onto hard- wood surface
Shock Resistance IP Rating	Drop tested from 1.5m (4.9 ft.) onto hard-wood surface IP-54 LCD display with pushbutton back-
Shock Resistance IP Rating Display	Drop tested from 1.5m (4.9 ft.) onto hard-wood surface IP-54 LCD display with pushbutton back-light, Three-digit floating-point readout Dose and dose rate, autoranging in units
Shock Resistance IP Rating Display Direct Readout	Drop tested from 1.5m (4.9 ft.) onto hard-wood surface IP-54 LCD display with pushbutton back-light, Three-digit floating-point readout Dose and dose rate, autoranging in units of µSv, mSv, or Sv (µR, mR, or R)
Shock Resistance IP Rating Display Direct Readout User Interface	Drop tested from 1.5m (4.9 ft.) onto hardwood surface IP-54 LCD display with pushbutton backlight, Three-digit floating-point readout Dose and dose rate, autoranging in units of μ Sv, mSv, or Sv (μ R, mR, or R) 2 buttons 52 x 89 x 22 mm (2" x 3.5" x 0.9") with-
Shock Resistance IP Rating Display Direct Readout User Interface Size	Drop tested from 1.5m (4.9 ft.) onto hardwood surface IP-54 LCD display with pushbutton backlight, Three-digit floating-point readout Dose and dose rate, autoranging in units of µSv, mSv, or Sv (µR, mR, or R) 2 buttons 52 x 89 x 22 mm (2" x 3.5" x 0.9") without clip





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