

NeutronRAE II (PRM-3020)

NeutronRAE II

The NeutronRAE II is the first gamma and neutron Personal Radiation Detector (PRD) designed for first responders. It is the first intrinsically safe, immersible, rapid detector of γ -ray (gamma) and neutron sources. It is the only personal radiation detector with a loud audible alarm, big, bright, flashing LEDs, and a vibration alarm. For stealth operations, law enforcement personnel can disable each alarm individually.

Its immersible design makes for reliable operation in wet environments and easy decontamination. The sensitive cesium iodide (CsI) and lithium iodide (LiI) scintillators of the NeutronRAE II provide a fast two-second gamma response and five second neutron response to radiological threats.

The NeutronRAE II accumulates approximate gamma dosage. Stored dosage data can be accumulated or cleared and reset for each use period. The NeutronRAE II logs 30,000 datapoints, including time and date, dose rate, and total dose.

Standard Features

- Certified intrinsically safe (Class I, Div. I, Groups A, B, C, D, T4)
- Immersible in water (IP67) for easy decontamination
- Bluetooth® enabled for datalogging (PC software available in 2006)
- Prominent visible, audible and vibration alarms
- Sensitive CsI and LiI scintillators for excellent search capability and fast response
- Top-mounted reversible display
- Continuous digital readout in $\mu\text{R}/\text{h}$ (microRem/hour) or $\mu\text{Sv}/\text{h}$ (microSieverts/hour) (gamma only) and cps (counts per second) (gamma and neutron)
- Fast two-second (gamma)/five-second (neutron) response
- Two operation keys, simple programming
- Long calibration life

- Two AA alkaline batteries last up to 800 hours
- Automatic background level referencing on start-up and upon user demand
- Passes drop test from 59" (1.5m) to hard concrete
- Low EMI interference from cell phones and portable radios
- Datalogging included

Kit Includes:

- NeutronRAE II
- Belt Clip and wrist strap
- 2 AA alkaline batteries
- Operation and maintenance manual
- ProRAE Studio Radiation software

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RADIATION MONITOR	PART NUMBER	LIST PRICE
NeutronRAE II Pager Kit	047-0401-000	\$2,095.00

Service Program Option			
Guaranteed Cost of Ownership	SVC-PTC4-047NII	\$420.00	Extends warranty and covers replacement of all parts and sensors for 5 years from date of purchase.