

RadTarge II Electronic Personal Dosimeter

RadTarge II | Electronic Personal Dosimeter is a next-generation all-digital electronic personal dosimeter that combines four functions in one:

- Dose Equivalent Rate Meter
- Accumulated Dose Meter
- Active Self-Reading Dose Meter
- Active Self-Alerting Dose Meter

This pager-like, direct-reading EPD accurately detects and measures radiation exposure for workers and responders in potentially hazardous environments.

RadTarge II | Electronic Personal Dosimeter uses a YSO scintillation detector combined with a state-of-the-art silicon photomultiplier (YSO+SiPM) and multi-voltage threshold (MVT) algorithm to detect a wide range of radiation doses.

Proportional, real-time detection and measurement provide meaningful readouts that focus on the awareness and safety of the user during critical times. The fast response and wide dose rate range maximize the safety of your team. Intuitive menu-driven navigation allows users to adjust settings in the field.

A blue acrylic tamper-proof label prevents users from opening the instrument, thus ensuring operational integrity for compliance and liability concerns.



Features

- ▶ **YSO + SiPM and MVT**
Scintillation detector and patented DAQ algorithm
- ▶ **Direct Reading**
Toggle between cumulative dose and dose rate
- ▶ **Real-Time Alarm**
Audible, visible, and vibrating alert options
- ▶ **Data Logging and Export**
Software available for Mac and PC

RadTarge II Electronic Personal Dosimeter (continued)

Product Comparison Table			
	RadTarge II D300	RadTarge II D700	RadTarge II D900
Recommended for	Strong radiation fields	Weak radiation fields	Strong radiation fields
Applications	Irradiation processing, industrial CT, industrial X-ray inspection, radioactive therapy, accelerator centers, nuclide production, nuclear power plants	Nuclear medicine (PET/CT centers), radiology departments, blood irradiation therapy, research labs and universities, baggage screening machine operators, pilots and flight attendants	Irradiation processing, industrial CT, industrial X-ray inspection, radioactive therapy, accelerator centers, nuclide production, nuclear power plants
Dose rate range	50 μ rem/h–500 mrem/h (0.50 μ Sv/h–5 mSv/h)	1 μ rem/h–100 mrem/h (0.01 μ Sv/h–1 mSv/h)	10 μ rem/h–10 rem/h (0.1 μ Sv/h–100 mSv/h)
Sensitivity	90 cps/mrem/h (9 cps/ μ Sv/h)	340 cps/mrem/h (34 cps/ μ Sv/h)	10 cps/mrem/h (1 cps/ μ Sv/h)
Alarm response time	< 8 s	< 2 s	< 6 s
Energy range	30 keV–1.5 MeV	20 keV–3 MeV	20 keV–3 MeV
Energy Response	$\leq \pm 40\%$	$\leq \pm 20\%$	$\leq \pm 20\%$ @ 20 keV–1.5 MeV $\leq \pm 50\%$ @ 1.5 MeV–3 MeV
Accuracy	$\pm 5\%$	$\pm 5\%$	$\pm 10\%$