

Thermo Scientific RadEye SPRDPersonal Radiation Detector

- Locate and Identify Radioactive nuclides
- Only pager sized NBR radiation detector
- Built for real-life

Definitive answers

through pin-point accuracy



Thermo Scientific RadEye SPRD

Personal Radiation Detector

When the threat is real, you need quick and accurate identification.

The Thermo Scientific™ RadEye™ SPRD Spectroscopic Personal Radiation Detector helps you locate and identify radioactive nuclides such as those employed in nuclear weapons and dirty bombs in a pager sized PRD.

SMART ALARM INTERPRETATION

- Automatically and quickly distinguish between threatening and non-threatening radioactive sources
- Provides neutron presence indication as standard with the base RadEye SPRD

BUILT FOR REAL-LIFE

- Can be worn in holster on standard service belt
- Does not interfere with sitting or squatting
- Small and lightweight
- Long battery life
- Rugged, drop resistant construction

HIGH VALUE

- Numerous accessories and add-ons such as contraband detector or rapid deployable area monitor kit
- Same rugged and proven design as full RadEye family simplifies adoption
- Leverage our high volume RadEye production and the latest cost effective technology





Easy-mode Operation

Easy mode simplifies responding with the device for infrequent users. It quickly guides you through the next steps after an alarm.

Natural Background Rejection

NBR is a technology used to eliminate fluctuating natural background levels while measuring radiation. This proprietary and patented technology is used to quickly differentiate between natural and artificial radiation by stripping away any natural background radiation that is registering, delivering you a more accurate result of artificial radiation levels.

The RadEye SPRD offers the next generation of NBR. The added fidelity of the new multi-channel NBR algorithm provides higher sensitivity to positively differentiate between natural and man-made radiation during search and find operation and better detection performance against masked isotopes. Once an alarm indicates the presence of significant gamma radiation the RadEye SPRD can automatically switch into radionuclide identification mode for immediate analysis. The editable trigger list allows users to select nuclides of concern from a list that includes all in the ANSI N42.48 standard. Users may also define custom subsets based on their areas of interest such as medical or industrial applications.



Our Lutetium test adaptor ensures quick and reliable performance verification



Law enforcement, border guards and special forces

The SPRD is ideal for primary inspection of its surroundings and provides basic secondary inspection, allowing users to quickly adjudicate the most common alarms such as distinguishing medical

patients from RDDs or crates of bananas from orphaned sources.

Law enforcement officers can take advantage of its small, wearable size and its affordability to provide a sensitive and significant network of sensors to locate radiation. Rapidly determine identity and type of radiation, providing key information faster to determine if HAZMAT or CBRN teams are needed.



Metal recyclers

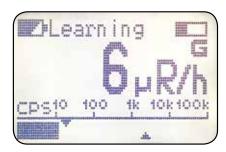
Detect, locate and identify orphan radionuclides in your incoming scrap material.



Specifications and ordering information

RadEye SPRD Gamma Csl 7.5% 100 < 5 min 40 keV	RadEye SPRD-GN Gamma Neutron CLYC (Cs2LiYCl6) 7.5% 110 < 5 min 50 keV	RadEye SPRD-H Gamma CeBr3 4% 170 < 2 min
Csl 7.5% 100 < 5 min 40 keV	CLYC (Cs2LiYCl6) 7.5% 110 < 5 min	CeBr3 4% 170 < 2 min
7.5% 100 < 5 min 40 keV	7.5% 110 < 5 min	4% 170 < 2 min
100 < 5 min 40 keV	110 < 5 min	170 < 2 min
< 5 min 40 keV	< 5 min	< 2 min
40 keV	2743	
	50 keV	00 11/
good		20 keV
	good	very good
no	Yes	no
no	Yes (< 2 s)	no
via prompt gamma	thermal neutrons & fast neutrons	via prompt gamma
180 hrs	120 hrs	180 hrs
enters use for both interdiction onal protection when radiation in is not your primary function. If distinguishing NORM sources ranite or bananas from artificial such as medical, industrial and policitally through advanced NBR	screeing tool at borders, on boats and remote outposts	Increased sensitivity Higher resolution Can detect and ID hidden, masked and shielded sources Can be used as a secondary screeing tool accompanying the PackEye GN-2 backpack radiation detector and as an alternative to a large RIID for source localization and identification
	ng is not your primary function. If distinguishing NORM sources If a contract the contract of the contract o	g is not your primary function. If distinguishing NORM sources ranite or bananas from artificial such as medical, industrial and ediately through advanced NBR. Ideally suited as primary screeing tool at borders, on boats and remote outposts where larger detection systems

We have an expansive library of radionuclide information. Our easy to read display allows you to quickly set thresholds and identify dose rates.



Our screen continuously shows you dose rate. As we are also monitoring count rate you will be alerted by an audible or vibrating alarm if your count rate suddenly increases suggesting you are facing an immediate threat.





Learn more about SPRD at www.thermoscientific.com/sprd

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