

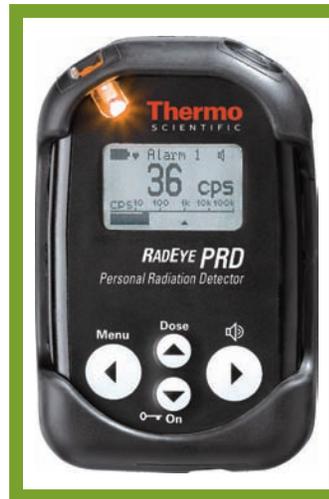
Health Physics Instruments – Pocket Meters

RadEye Personal Radiation Detectors

RadEye — The next generation of advanced Health Physics instruments for radiation detection and area monitoring. These new and versatile pocket meters are lightweight, small in size, accurate, reliable, very easy to use, and have a flexibility of operation that is unmatched.

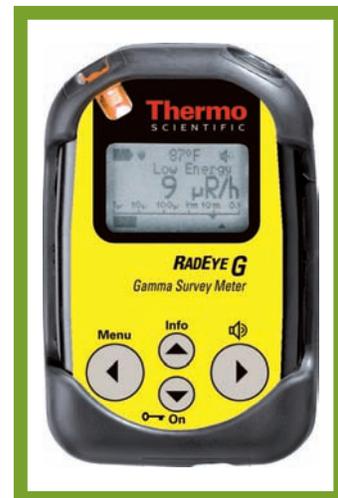
RadEye PRD

- NaI(Tl)-Detector
- High quality PMT
- Excellent response from 30 keV
- Meets ANSI 42.33/1, 42.32 and IEC 62401
- Display in Roentgen or Sievert, software selectable



RadEye G

- Quick and reliable gamma dose rate measurements
- Excellent linearity over 6 decades of radiation intensity: from background level to 10 R/h — with over range indication up to 1000 R/h
- Energy compensated GM-tube for precise dose rate measurement for gamma and x-ray



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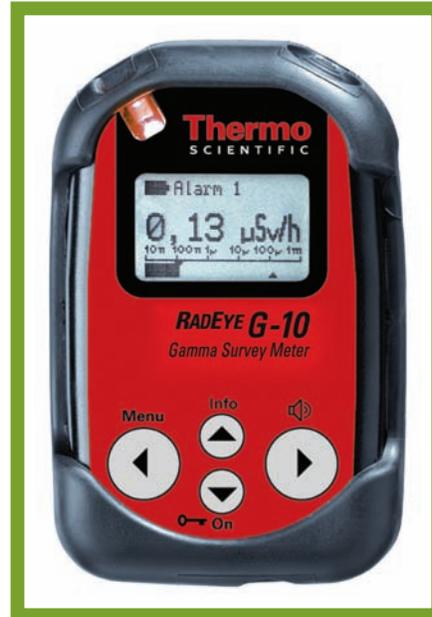


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Health Physics Instruments – Pocket Meters

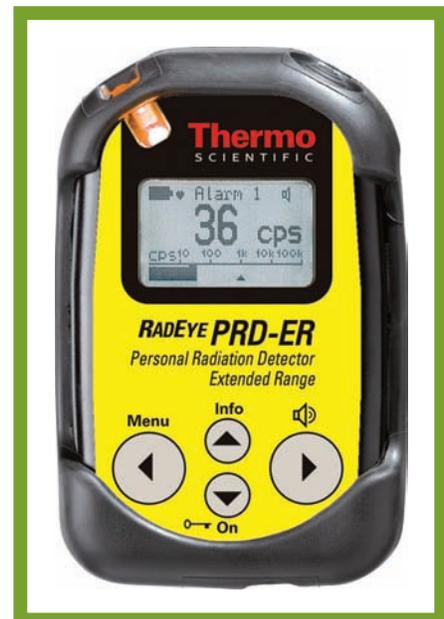
RadEye G-10

- Special energy filter in order to achieve a Sievert response curve according to ambient equivalent dose rate $H^*(10)$
- PTB* type tested and approved version available



RadEye PRD-ER

- No mutual shielding of neighbored detectors
- Consistent energy response
- No transition range with annoying hysteresis effects
- PRD-ER test adapter eliminates the need for a high dose rate calibration source to check full detector performance



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Health Physics Instruments – Contamination Meters

The RadEye B20 is a modern, compact multi-purpose contamination meter for alpha, beta, gamma and X-ray radiation.



RadEye B20

- Lightweight — only 300 gm
- Rugged, compact design
- 500 + hours of operation using 2 AAA batteries or rechargeable NiMH
- Bright backlit LCD display with plain text messages
- Different languages can be selected



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Health Physics Instruments – Contamination Meters

RadEye AB 100

- Lightweight — only 900 gm
- Easy to grip with or without gloves
- 1,000+ hours of operation time using 2 C batteries or rechargeable NiMH
- Huge internal data memory for both scaler type and continuous data recording
- Different languages can be selected
- Alpha, Beta and Alpha + Beta modes



The RadEye AB 100 is a modern contamination meter for surface contamination measurements with excellent alpha/beta discrimination.

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Health Physics Instruments – Electronic Dosimeters

The EPD Mk2+ builds upon the high performance of the original MK2 design, while providing enhanced features. The EPD Mk2+ is suitable for use as a single, stand-alone dosimeter, or as a component of a comprehensive dosimetry management system using our renowned hardware and software packages.

EPD Mk2+

- Advanced 15 keV to 10 MeV performance in a small, lightweight design
- Most complete dosimeter per IAEA-TECDOC-1564
- Excellent response to gamma, beta and X-radiation
- Rugged design with enhanced easy-to-read display, optional backlight



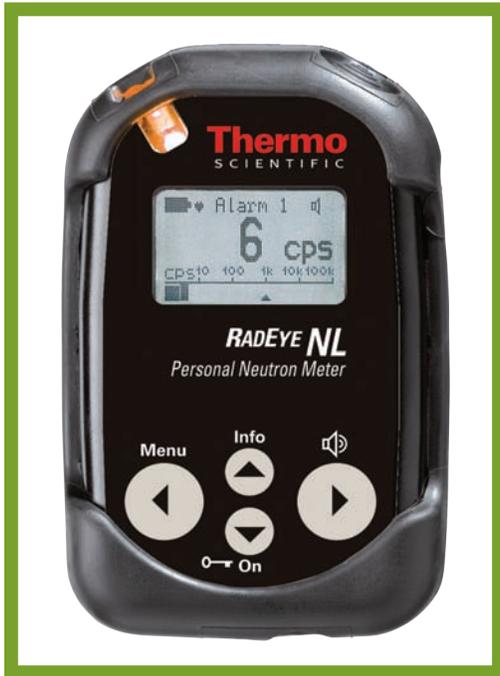
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Health Physics Instruments – Electronic Dosimeters

The new RadEye N/NL is one fiftieth of the weight and has a neutron response comparable to a Rem-Counter.



Features of RadEye N/NL

- Large display for clear information
- Top alarm indication - can be operated in holster
- No PC required
- Rechargeable batteries
- 1600 data points allow retrospective analysis
- PC-software with real-time graph
- Alarm relay output for area monitor application

The RadEye N/NL is normally worn in a holster. To use it as a hand-held survey meter and to increase the efficiency for fast neutrons, the RadEye N/NL can be put into an optional moderator with handle.



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Health Physics Instruments – TLD Dosimetry

TLD Readers

The Harshaw 3500 TLD Reader provides cost-effective measurements of the radiation dose absorbed by individual TLD elements: ribbons (chips), rods, micro-cubes or powders.

Harshaw 3500 Manual TLD Reader

Ideally suited for:

- Radiotherapy planning verification
- Critical organ dose verification
- Diagnostic dose studies including CT



Harshaw 4500 Dual Reader & Workstation

- Reads 2-, 3-, or 4-element cards and extremity carrier cards using hot gas heating
- Reads single TLD chips, rods or powders using contact planchet heating
- Card elements are read in pairs. The pairs of a 4-element card are sequenced automatically



This versatile start-up or add-on system is ideal for small or medium capacity applications in radiation protection, medical, research and high range dosimetry.

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Health Physics Instruments – TLD Dosimetry

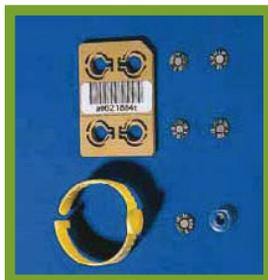
TLD Dosimeters

Single element dosimeters and assemblies are widely used in many installations and processed using Harshaw TLD Systems. These systems include a range of Readers and Irradiators with compatible software to implement calibration, radiation evaluation and management, dose algorithms, health physics record keeping, finder database, glow curve analysis and chain of custody monitoring.



EXT-RAD dosimeters

- Features cold sterilization with efficient handling and processing
- Barcoded 1- or 2-element chipstrate dosimeters
- Adjustable, reusable finger rings with elements in sealed pouches
- Barcoded carrier cards for readout after exposure



DXT-RAD dosimeters

- Features hot or cold sterilization with fast readout
- TL-100/TL-700 disk dosimeters with novel and permanent individual barcodes
- Sealed disposable finger rings — sterilized hot or cold
- Ring sealing and chip extraction
- Carrier cards for readout after exposure



Card Dosimeters

- 2, 3 or 4 TLD elements are assembled into rigid aluminum cards and mounted within shielded filter-holders

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Health Physics Instruments – Other Monitoring Devices

SmartION Digital Survey Meter

Features include:

- 450 cc ion chamber detector
- Ion chamber vented to atmosphere
- Data logging
- Audible alarm preset
- Large character LCD digital and analog display



The SmartION Digital Survey Meter is a microcomputer-based ion chamber type survey meter.

Measurement ranges:

- Dose Rate: 0 to 500 mSv/hr (0 to 50 R/h) in 5 auto ranges
- Measures in $\mu\text{Sv/hr}$, $\mu\text{Gy/hr}$ and mR/hr
- Measurement in mixed beta/gamma fields is simplified by the moveable beta shield

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Health Physics Instruments – Other Monitoring Devices

HFM11-SC Scintillation Hand & Foot Monitor

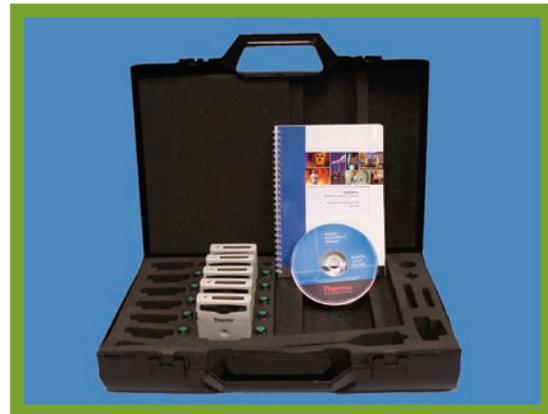
- Large touch-screen color LCD display
- Easy to maintain detector assemblies
- Simultaneous monitoring of both sides of hand



The Dosimetry Solutions Kit is designed to provide a complete and comprehensive dosimetry solution for facilities.

Dosimetry Solutions Kit

- Small, lightweight dosimeters
- Rugged ergonomic design
- Dosimeters measure beta/gamma, neutron or gamma
- EasyEPD and Easy Issue software



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Please send more information on:

- Electronic Dosimeters
- Survey Meters
- Area Monitors
- Contamination Monitors
- Hand and Foot Monitors
- Emergency Room
Radiation Monitoring
- TLD Dosimeters and Readers



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