



Thermo Scientific RIIDEye
Handheld Radiation Isotope Identifier



RIIDEye Patented Technology

Radiation Identified Quickly and Accurately

Faster, more precise identification of radioactive materials leads to quicker, more accurate assessments.

Thermo
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The Quickest Identification For The Fastest Response



When it comes to radiation, it's critical to know the exact isotope and precise dose rate of the radioactive material to quickly initiate a plan of action.

The **Thermo Scientific™ RIIDEye™ Handheld Radiation Isotope Identifier** does just that. Its patented Quadratic Compression Conversion (QCC) technology provides the industry's fastest, most accurate real-time gamma source and isotopic identifications. All in an easy-to-read, full-spectrum color-coded format. So you and your team can respond immediately. Whatever the environment. Whatever the scenario.

Innovative Potassium Spectrum Stabilization

Utilizing natural potassium, our highly advanced detector provides continuous stabilization for uninterrupted performance. There's no integral Cs-137 source, so there are fewer false ID's, higher Cs-137 detection sensitivity and shielded Am-241 sensitivity. The RIIDEye can actually detect temperature drift and adjust calibration automatically. You can be assured accurate results within virtually any warm, cold or ever-changing environment.

► **Oversized Display**
Generates clear, high-resolution readings, even in sunlight

► **Intuitive Interface**
Expedites learning and increases functionality

► **One-Hand Operation**
Designed for real-life field work

► **Weight-Balanced Handle**
Ergonomic design promotes long-term usage

► **Raised Buttons**
Enables gloved operation of control pad

► **Removable Memory Card**
Allows for reachback and further analysis

► **Durable Construction**
Combines lightweight design with rugged exterior

► **Detachable Detector**
Adds versatility for remote usage



Patented QCC Technology

It's our unique QCC algorithm that provides the real-time gamma source identification and improved quality of isotopic IDs. It's what gives you the fast analysis using easy-to-read, color-coded energy peaks. And, provides increased source data during and after completion of ID.

U.S. Patent No. 5,608,222

Complete RIIDEye Kit

The standard RIIDEye kit includes everything you need to start detection today:

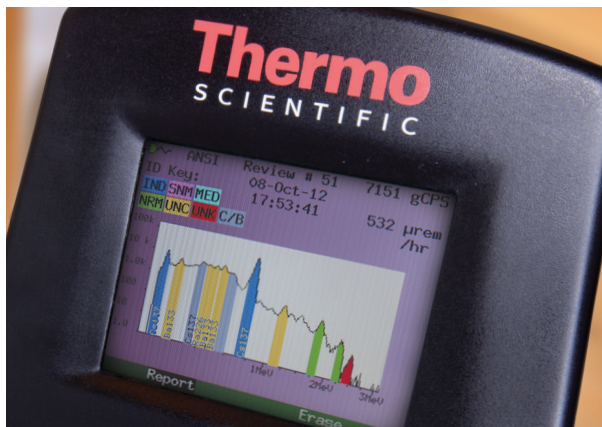
- Foam-insulated hard carrying case
- Extended 5' spare cable
- Quantum MCA software
- Memory card reader
- Commercial AA batteries (8 hours at high usage)
- Backup battery holder

A variety of scintillation detectors are also available, including an integrated non He-3 neutron version and high-resolution LaBr₃ detector option.

Solutions For Any Scenario

We offer the most complete line of handheld radiation detection systems on the market today – all backed by our extensive knowledge of the first responder market and global customer support. Check out Thermo Scientific's entire line of handheld radiation detection and ID products, including our RadEye GN, that work together to provide total solutions for virtually any scenario.

For more on the new RIIDEye Handheld Radiation Isotope Identifier and other related products, contact your Thermo Fisher Scientific sales rep. Or visit our website at thermoscientific.com/riideye now.



◀ Color-coded isotopic regions, or peaks, clearly alert user to presence and level of benign or threatening radioactive material.

▶ The Thermo Scientific RIIDEye series is an advanced and intuitive isotopic identifier.

RIIDEye-G 4250850

Detects gamma rays
2"x2" NaI(Tl)

RIIDEye-GN 4250851

Detects gamma and neutron rays
2"x2" NaI(Tl) with Neutron Detection channel

RIIDEye-G-HiRes 4250852

Promotes highest resolution
1.5"x1.5" LaBr (Lanthanum Bromide)



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