

thermo scientific



Maximize safety
and productivity

Thermo Scientific Nuclear Power Radiation Detection
and Monitoring Solutions

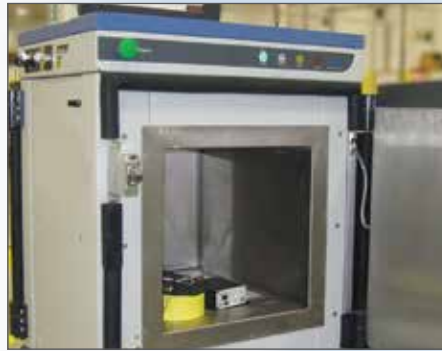
ThermoFisher
SCIENTIFIC

Monitoring solutions to optimize safety, efficiency and compliance

Our years of expertise and commitment to the nuclear power industry will give you the **confidence** to meet today's challenges and sustain safety and productivity long into the future.

You can depend on Thermo Scientific radiation detection and monitoring solutions to optimize safety, operational efficiency and regulatory compliance of your power generation infrastructures.

Our instruments deliver the latest advancements in technology and functionality to meet the most demanding applications.



Breadth – Full product suite, for a wide range of radiation detection needs

Quality – Designed and manufactured for a lifetime of use in the harshest of environments

Experience – Unmatched industry expertise, serving the industry for over 55 years

Innovation – Introducing new technologies and solutions focused on improved safety, efficiency and usability

Dosimetry



Thermo Scientific™ EPD TruDose™ When worker safety is mission critical

You can rely on the EPD TruDose Electronic Dosimeter to monitor, inform, and improve worker safety in environments where radiation exposure is a necessary and unavoidable part of the job. The EPD TruDose provides:

- Unprecedented sensitivity
- Improved pulsed field detection
- Multi-detection and measurement of both gamma and beta radiation
- Integrated telemetry without the need for additional transmitter attachment
- Integrated vibration and LED alarm notification

Thermo Scientific™ Harshaw™ TLD Readers, Cards and Material

Ensure accurate radiation exposure monitoring. Thermo Scientific TLD readers provide cost-effective measurements of the radiation dose absorbed by individual TLD elements for medical, nuclear, research, and health physics applications. Manual and automated systems for whole body, extremity, neutron, and environmental monitoring are easy to operate, service, and maintain.



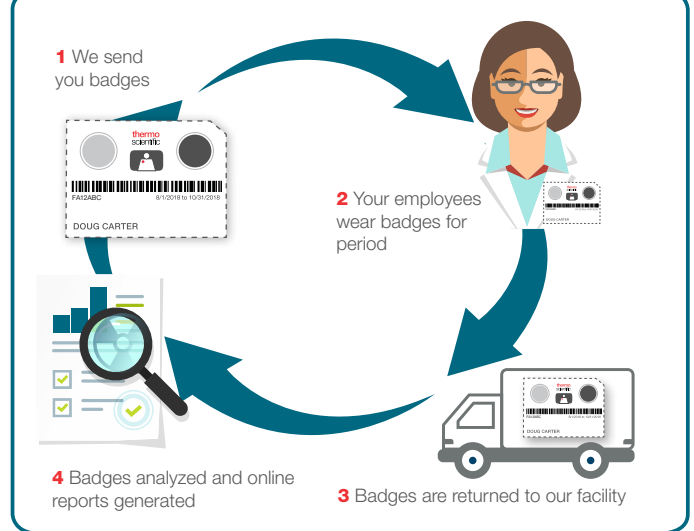
Thermo Scientific Dosimetry Services

Our Dosimetry Services offers you accurate measurement of radiation dose exposure in the workplace, ensuring personnel safety in any environment where radiation exposure is an issue.

Our badges can measure for X-ray, Beta, Gamma and Neutron.



How it works



Work place air monitoring

Provide early warnings on events with our reliable, continuous real time air sample monitoring equipment. Sustain ALARA principles by accurately measuring and providing alarm indications for the work place environment. Our family of portable CAMs actively measure radioactive beta particulate, alpha particulate, iodine, and noble gasses; minimizing the internal radiation worker dose to these hazards by providing increased worker efficiency (release from respiratory protection) as well as early warning alarm indication capabilities.



Remote Monitoring Software Systems:

Thermo Scientific™ ViewPoint™ Enterprise Remote Monitoring

Thermo Scientific AMS-4 Beta Air Monitor

Provide an early warning to workers exposed to potential airborne releases of beta-emitting particulates.

Thermo Scientific FHT 1702 Iodine Monitor

Protect employees virtually anywhere in the nuclear power plant with early, automatic warning of gaseous iodine activity.

Thermo Scientific AMS-4 Noble Gas Air Monitor

Thermo Scientific ALPHA 7A Alpha Air Monitors

Designed to provide early warning to workers exposed to airborne releases of alpha-emitting radionuclides.



Contamination monitoring

We offer a variety of contamination monitors to quickly and accurately detect radioactive contamination on people, property and materials before they leave the radiation controlled areas or the site.



Thermo Scientific SAM 12 Small Article Monitor

Replace complex hand frisking processes with a precise, computerized, measurement control solution for monitoring small articles and tools for radioactive contamination.

Thermo Scientific PM12 Walk Through Personnel Gamma Portal Monitor

Protect nuclear facility workers with a portal monitoring system that uses multi-modal gamma-sensitive plastic scintillation detectors for detecting radiation contamination.



Thermo Scientific iPCM12 Installed Personnel Alpha/Beta Contamination Monitor

Reduce employee downtime and lost productivity with an effective radioactive contamination monitoring system for nuclear facility personnel.

Thermo Scientific IPM96 Beta/Gamma scintillation based Personnel Contamination Monitor

Thermo Scientific HFM 11 Series Hand and Foot Monitors

Help to reduce monitoring times; the longer hand detectors provide wrist and forearm coverage and there is an optional frisker probe available for additional monitoring.



Emergency planning (EP) and environmental monitoring

Whether it is to support Emergency Planning (EP) response actions or Permanent, Off-Site Dose Boundary/ Environmental Monitoring, we offer a portfolio of products and software monitoring systems designed to provide real-time data analysis.

Our solutions provide the Radiation Protection professionals the tools necessary to rapidly collect critical field data, identify the release/plume isotopic mix, and make informed recommendations and decisions when required. All of these actions support the ultimate goal of ensuring Regulatory Compliance while maintaining the highest level of human health and safety protection.



Thermo Scientific RadEye

Family of handheld detection instruments

RadEye B20-ER Multi-purpose Survey Meters

RadEye SPRD Spectroscopic Personal Radiation

RadEye G Gamma Safety Surveys



Thermo Scientific RadHalo RDP and FM Spectroscopic Area Monitors

Optimize efficiency and worker safety with highly-sensitive area monitors that detect and identify radiation on-site or from miles away via five reachback options.

Thermo Scientific RadEye HEC Stand-Alone Scaler Counter



Portable radiation survey instruments



Equipped with a diversity of networking and communications capabilities. Key instruments such as the RadEye family can be used with data management systems for long-term trend analysis as well as live-time remote monitoring.

Our trusted portfolio of radiation detectors, meters and instruments serve to monitor, detect and locate alpha, beta, gamma/ x-ray, and neutron radiation.

Our flagship RadEye family of survey instruments provides effective solutions for a wide variety of operational health physics applications.

Thermo Scientific™ RadEye™ B20-ER Multi-purpose Survey Meters

Dual contamination and dose rate survey instrument



Thermo Scientific RO-20 Ion Chamber Survey Meter

Portable air ionization chamber instrument used to detect beta, gamma and X-radiation.

**Thermo Scientific RadEye NL + Moderator
Lightweight neutron survey Instrument** that replaces traditional large, cumbersome REM-Ball neutron survey instruments

Thermo Scientific RadEyeX Series External Detectors (GX, SX, and PX models)

Attach a wide range of Thermo Scientific or 3rd-party Geiger Muller, Scintillation, and Proportional detectors as external detectors to the RadEye Meter



Find out more at thermofisher.com/nuclearpower