

Spec-RAM HPGeTM

Compact HPGe Gamma Spectrometer

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 **LabLogic**
EXPERIENCE & EXPERTISE

A compact HPGe gamma spectrometer for nuclear medicine

HPGe is the gold standard of gamma spectrometry due to its exceptional resolution. However, traditional HPGe gamma spectrometers are mostly large, overcomplicated, do not include GMP compliant software, and can be costly to run.

Introducing the Spec-RAM HPGe™, a solution designed specifically for nuclear medicine applications and ideally suited for developing novel tracers and working with alpha-emitters.

High performance

Superior energy resolution

HPGe detectors are highly sensitive to gamma rays and provide an excellent energy resolution (FWHM) of <0.3% at 662 keV compared to traditional NaI-based detectors at 7.5% resolution.

Electric cryostat cooling

The Spec-RAM HPGe™ uses a proprietary electric cooler, offsetting the difficulties of using liquid nitrogen for cooling including running costs, training, and handling of hazardous material.

Energy and efficiency calibration

Laura Radiopharma™ includes all the necessary features for performing radionuclide identity and purity. Energy and efficiency calibrations are easily performed using reference standards.

Easy to use

Simple software platform

Laura Radiopharma™ is designed specifically for use in nuclear medicine and therapeutic applications and provides a focused and intuitive wizard driven User Interface.

Single point of control

Laura Radiopharma™ can be used to control a range of equipment in your QC lab including radio-TLC, radio-HPLC, GCs, gamma counters and many more. This approach provides consistency in use and reporting, whilst reducing training and validation efforts.

Copper and tin liner

Eliminates Compton Scattering, ensuring an excellent signal-to-noise ratio.

GMP Compliant System

GMP compliant software for gamma spectrometry

Like all LabLogic instrumentation, the Spec-RAM HPGe™ is controlled by Laura Radiopharma™, our industry-standard software for instrument control that is compliant with global regulations such as FDA 21 CFR Part 11 and EU Annex 11. The introduction of compliant software to gamma spectrometry facilitates easier validation for sites while improving workflow efficiency.

Features include:

- Full audit trail.
- User defined access levels.
- Electronic signatures.
- Secure database.
- Multi-level security.

Maintaining data integrity

Laura Radiopharma™ is seamlessly integrated into LabLogic's LIMS such as PETra™ and SPECTra™, allowing captured data to be instantly populated. This integration between the software packages preserves data integrity in accordance with ALCOA principles.

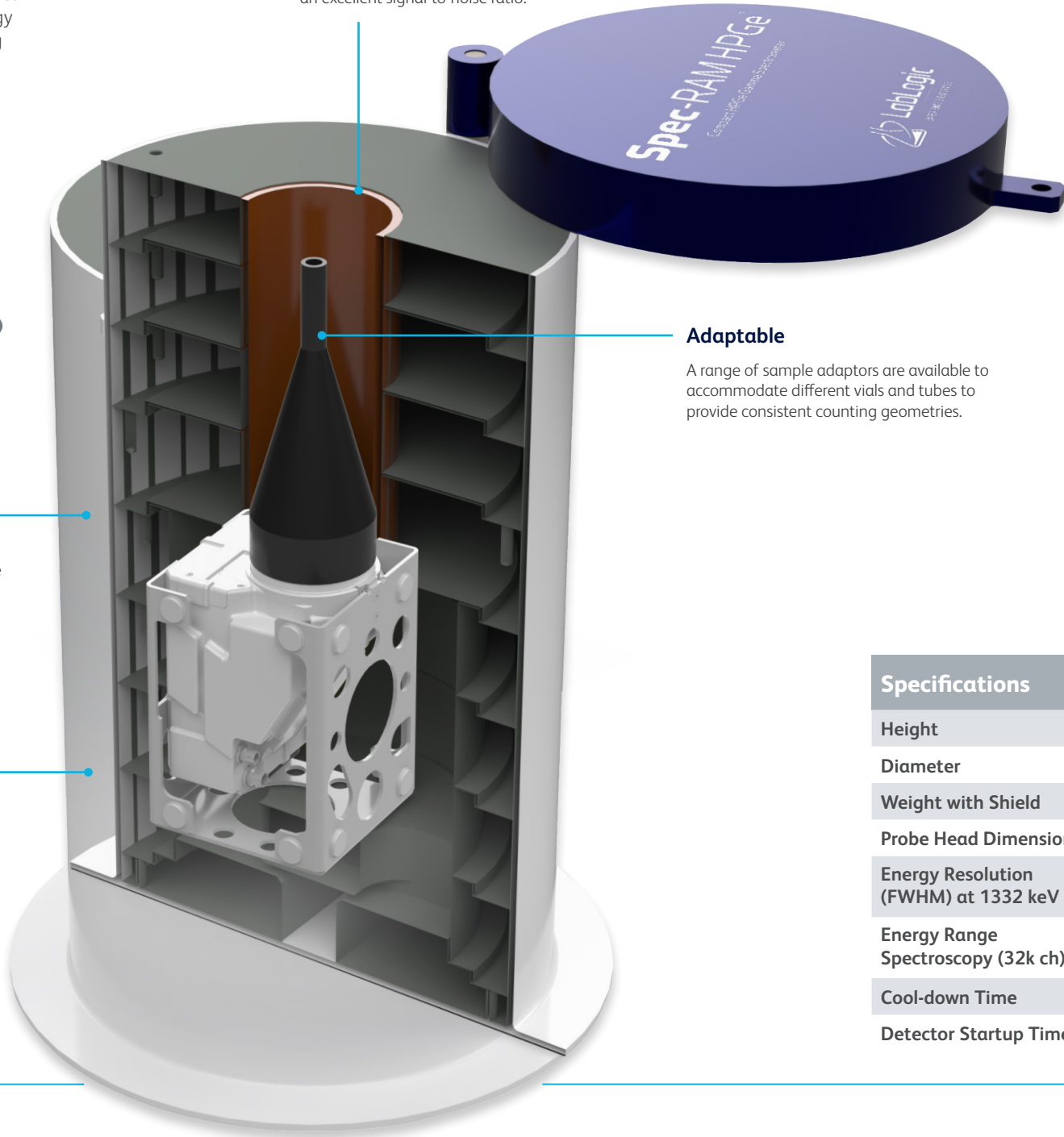


Modular Lead Shield

Our specially designed shielding protects the detector from background environmental radiation and attenuates exposure to the operator. The lead shield includes a copper liner to improve performance and eliminate X-ray interference providing an excellent signal-to-noise ratio.

Compact footprint

With a footprint of Ø 450 mm and a height of 650 mm, the Spec-RAM HPGe™ is a more compact system than conventional HPGe detectors.



Adaptable

A range of sample adaptors are available to accommodate different vials and tubes to provide consistent counting geometries.

Specifications	
Height	650 mm
Diameter	Ø 450 mm
Weight with Shield	450 kg
Probe Head Dimensions	Ø 40 mm
Energy Resolution (FWHM) at 1332 keV	0.187 %
Energy Range Spectroscopy (32k ch)	40 keV -3 MeV
Cool-down Time	2 hours
Detector Startup Time	2 minutes

Service and Support

Users of our systems can benefit from our comprehensive, fully inclusive service and support.

We can give reassurance that if things go wrong or you need expert advice, help is only an e-mail or phone call away.



Validation Services

Our Validation Service enables you to implement and get maximum value from your investments as soon as possible.

We work as a partner with your Quality Manager, System Manager and users to provide a tailored Validation Plan, suited to your needs. Our Validation Specialists who have many years' of experience in GLP system validation, detailed knowledge of our systems, together with other industry standard systems to help you meet company and regulatory requirements.

Training

LabLogic can provide a variety of training courses and workshops to help you get the most out of your instrument and software.

All training is performed by our expert Product and Support Specialists who have many years experience in the development and use of the instruments and software.

Certificates can be provided to complement your internal GLP training records.

Visit our website



Download the brochure



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