

HA4300-R Radioactivity Meter

>>>Instruction<<<



Product Overview

The HA4300-R Radioactivity Calibrator is an intelligent precision dosimeter dedicated to nuclear medicine. It can rapidly measure the activity of various radiopharmaceuticals and features a one-click background subtraction function with a fully Chinese user-friendly interface for easy operation. It is widely applied in radiopharmaceutical manufacturers, medical diagnosis, treatment, laboratory research and other fields.

Functional Features

1. High precision & fast response: High measurement accuracy; readings for regular samples are obtained within 1–3 seconds.
2. High-definition large screen: 10-inch high-definition color touch screen, intelligent, accurate and stable performance.
3. Pre-set shortcut radionuclides: Frequently used radionuclides are preloaded on the measurement interface for seamless switching and simple operation.
4. Compatibility with common radionuclides: Supports therapeutic radionuclides widely used in nuclear medicine including Samarium-153, Yttrium-90, Iodine-131,

Phosphorus-32, as well as positron-emission diagnostic radiopharmaceuticals such as Fluorine-18, Carbon-11, Oxygen-15, Nitrogen-13, Gallium-67, etc.

5. Built-in radionuclide library: Nearly one hundred common radionuclides pre-installed; new radionuclides can be added to meet diverse application scenarios.
6. Dedicated measurement bracket: Equipped with a special syringe holder, compatible with measuring single implant seed sources.
7. Dedicated printer: External dedicated printer available as an optional accessory to print radionuclide activity measurement reports.
8. One-click bilingual switching: The main control system supports one-click switching between Chinese and English operation interfaces for efficient and convenient use.

Technical Specifications

Product Model	HA4300-R
Detector Type	Thin-walled aluminum well-type ionization chamber
Measuring Range	0.1 μ Ci – 6 Ci (Technetium-99m); 0.1 μ Ci – 2 Ci (Fluorine-18)
Relative Intrinsic Error	$\leq 3\%$
Resolution	0.01 μ Ci
Repeatability	$\leq 1\%$
Instability	$\leq 2\%$
Measurement Units	Bq, Ci
Measurable Radionuclides	Yttrium-90, Samarium-153, Gallium-67, Strontium-90, Phosphorus-32, Fluorine-18, Carbon-11, Nitrogen-13, Oxygen-15, Iodine-131, etc.
Communication Interfaces	RJ45, USB, RS232