



NOKI

TECHNOLOGIES

Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to the evolving demands of our clients.

X-WELL

WELL COUNTERS

Description

The Genesys Gamma-1™ is a single-detector gamma counter designed for Radioimmunoassay (RIA) applications, offering performance comparable to high-end multi-well counters. It delivers high-precision gamma detection in a compact and cost-effective design, ideal for smaller laboratories. The system features automatic adjustments and built-in diagnostics for enhanced reliability and ease of use.



Key Features

Data Processing

Supports data reduction for RIA, IRMA, screening, and ratio assays.

Dual Label Counting

Perform simultaneous dual label counts (e.g., Folate/B12) in a single measurement.

Automatic Adjustments

High-voltage gain adjustments are automatic, minimizing the need for costly service interventions.

Self-Diagnostics

Integrated system diagnostics ensure optimal performance and reduced downtime.

Isotope Spectrum Viewing

View isotope spectra directly to prevent contamination and spill-down errors.

High-Efficiency Detector

Well-type NaI(Tl) detector provides greater than 80% detection efficiency, reducing counting times.

LCD Display

The backlit LCD display shows curves, spectra, and more, reducing the need for printed reports.

Memory Recall

Automatically stores and recalls the most recent assay run.

Compact and Cost-Effective

Space-saving design and budget-friendly pricing for laboratories with lower testing volumes.

Spillover Correction

Automatically subtracts spillover when counting isotopes like I125 and Co57 simultaneously.

Technical Specifications

Data Analysis Curve Fitting Options: Point-to-Point, Weighted Straight Line, Straight Line, Cubic Spline.

Graph Paper Formats Linear-Linear, Semi-Log, Logit-Log.

Response Variables CPM, %B/Bo, %CPM/HiSTD, K x (CPM/REF1). Supports calculations for RIA, IRMA, ratio, and screening assays.

Calibration Simple calibration process with automatic high-voltage, zero, dead time, and linearity adjustments using a ^{57}Co source. The system's 4096-channel analyzer ensures high accuracy and confidence in results.

Assay Printout Plug in a serial printer for detailed assay printouts without the need for additional print drivers.

Software Simple and intuitive software displayed in a menu format on a 4.5-inch backlit LCD screen. Alphanumeric keypad enables quick data entry and system control.

Detector Well-type NaI(Tl) crystal detector paired with a high-gain photomultiplier tube (PMT) for efficient gamma detection.

Shielding	0.75" (19mm) virgin lead shielding for optimal radiation protection.
Analyzer	4096-channel analyzer with automatic dead time correction.
Well Liner	Removable plastic well liner to prevent contamination of the detector.
Display	4.5-inch (11.25 cm) diagonal backlit LCD display.
Printout	Serial port connection for full-page serial printer (optional).
Keypad	Alphanumeric keypad for efficient input and operation.
Dimensions	Base Unit: 10.5" (27 cm) W x 8.5" (22 cm) D x 10" (25 cm) H Detector Unit: 6" (15 cm) D x 10" (25 cm) H
Weight	32 lbs (14.5 kg)
Power Supply	100–240 VAC, 50–60 Hz.



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