

SG - 3056

Germanium Gamma Spectrometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► Functional features :

- A variety of detectors with different specifications are available: P-type and N-type coaxial detectors, energy-extended coaxial detectors, wide-energy detectors, low-energy detectors, and extremely low-energy detectors are available; % Detection efficiency; energy coverage from 1KeV to 10MeV optional
- electric refrigeration device and liquid nitrogen dewar can be used
- 4-inch low background lead room shield
- Top cover of hydraulic lead room, can be equipped with automatic switch operation module
- Fully digital multi-channel analyzer, supporting all spectrum detectors, providing a maximum of 32768 channels of data storage
- Provide 3 kinds of high voltage power supply
- Provide digital signal filtering and digital spectrum stabilization
- With digital automatic pole zero, digital gated baseline recovery
- USB interface, the maximum data transmission rate is greater than 100kcps
- Automatically determine the measurement time of unknown samples
- Temperature coefficient: automatic temperature correction
- Wide temperature organic light-emitting screen displays the working information of the spectrometer
- All software, integrated hardware control, spectrum acquisition, data analysis, report generation and quality control
- Energy calibration and efficiency calibration: After completing the manual calibration for the first time, the software can automatically complete the recalibration of energy, peak shape and efficiency according to the stored standard source data file
- Background determination method: automatic determination method, multipoint method, parabola method and polynomial fitting method
- Provide dead time correction function in high activity sample analysis
- Analysis result report: arranged according to the energy of the nuclide library peak; arranged according to the isotope type of the nuclide library peak; total activity

- Uncertainty report: activity percentage; technical or total count uncertainty; 1, 2, 3 Sigma; systematic error or random uncertainty
- All the hardware parameters related to the analysis results are saved together
- Nuclide library: users can edit the nuclide library, can build their own nuclide library and label the peak of interest according to actual needs
- Quality standard: According to ANSI N13.30 standard, record the total background of the detector, decay correction, average FWHM ratio, average FW0.1M ratio, average peak drift at any time; actual peak center energy
- Configurable network module / wireless module, ZigBee, Bluetooth, 3G module optional, incorporated into online detection system

►► Product Parameters

	project	index
Detector parameter	Detection efficiency	Different detectors available, up to 175%
	Energy range	Different detectors are available, down to 1KeV and up to
	Energy Resolution(FWHM)@	10MeV
	Energy Resolution(FWHM)@ 1.33MeV	Different detectors available,optimal 1.8keV
	Pluse shape (FW.02M/FWHM)	Minimum 2.6
	Peak Combi	1900/1/2 16:01:00
	Detector size	Different detectors are available,59~100mm
MCA parameters	Detector crystal structure	Different detector available,coaxial,flat, P-type,N-type
	Maximum data pass rate	≥100 kcps
	Memory segmentation	32768 segments
	Non-linear	Integral nonlinearity:
	Pulse pair resolution	
	Memory capacity	32768 channels,each channel has a capacity of 2 billion counts

	project	index
Lead room parameters	Lead chamber thickness	>100mm lead qquivalent
	Open method	Hydraulic lever,optional distribution control' open
Analyzing Software	Analysis algorithm	Library guided peak search,mariscotti peak search,NPP-32 analysis, ENV32 analysis
	Background determination method	Automatic determination method,multipoint method,polynormal firring method,neural network fitting method
	analysis report	Unknown peak,energy sort,isotope sort, total activity
	Spectral analysis correction	PBC correction;inter-peak interference, correction,attenuation factor correction, geometry correction,time correction

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

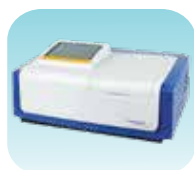
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

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Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Partical
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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