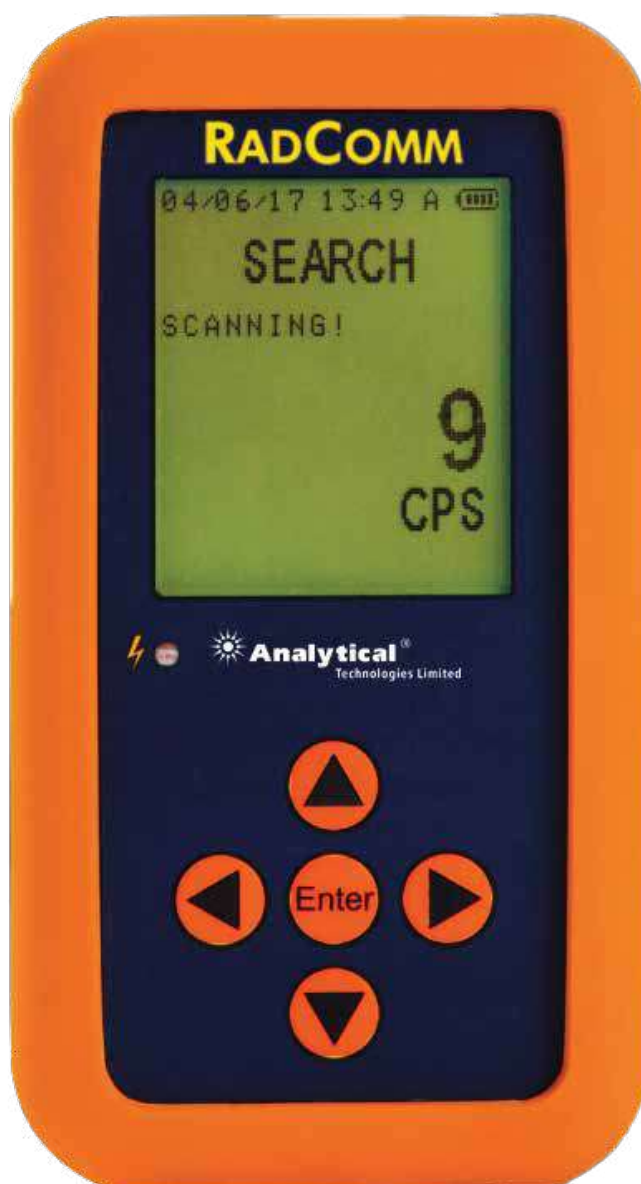


SPRD - 3057G

GAMMA RAY SPECTROSCOPIC PERSONAL RADIATION DETECTOR (WITH OPTIONAL NEUTRON DETECTION)



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

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► **Product Introduction**

Fast responding palm sized Spectrometer and Dose Rate Meter will instantly measure and identify any material for the presence of radioactivity

- Lightweight and palm sized
- Large nuclide isotope library
- Simplified use and easy to understand operation
- Manual or automatic operation modes
- Automatic energy stabilization (no check source required)
- RadView software for integration

►► **SPECTROSCOPIC PERSONAL RADIATION DETECTOR (WITH OPTIONAL NEUTRON DETECTION)**

Locate and Identify Specific Isotopes

3057G palm sized gamma ray spectrometer utilizes a Sodium doped Cesium Iodide Crystal with high signal to noise ratio PMT and state-of-the-art electronics for the most accurate results. The 3057G scans suspect material and quickly analyzes to determine what nuclide isotope is present and then categorizes the result as Medical, Industrial, Natural Occurring Radioactive Material (NORM), or Special Nuclear Material (SNM).

Operator Friendly

The 3057G has two modes a user may choose from:

Automatic is the quickest and easiest to use mode. Set in Automatic the 3057G will search for and detect radioactive material. Once in range the instrument will automatically begin isotopic identification and display the results.

Manual mode gives the user greater control including the ability for longer scan times which increases the accuracy of results. This is especially important if there are multiple isotopes present in the same sample.

RadView Software

RadComm's exclusive RadView software interfaces with a user's PC and enables a user to see detailed results of recorded scans in a Histogram format. Each result can be edited with comments, saved as a PDF and archived for future reference or email compatibility.

Meets ANSI 42.48:2008 American National Standard Performance Requirements for Spectroscopic Personal Radiation Detectors (SPRDs) for Homeland Security.

►► Size

- Detector Dimensions:
- 4.75" L (12.1cm) x 2.5" W (6.4cm) x 1.22" H (3.1cm)
- System weight: 0.4 lbs (0.2 kg)

►► Electronics/Mechanical

- Easy to operate 5 button keypad
- Audio & visual alarm with vibration
- Micro-controller based architecture
- Sodium doped Cesium Iodide crystal (CsI(Na)) ½" x 1¼" (13mm x 38mm)
- Internal Lithium Ion battery with charging LCD indicator
- Battery life up to 10 hours
- Battery recharging time up to 4½ hours using wall charger or PC USB

►► Environmental

- Operating Temperature: 14°F(-10°C) to +113°F(+45°C)
- Shock Resistance: up to 1 meter drop test

►► Display

- Viewing area: 2½" L (6.35cm)
- LCD with backlight 128 x 128 resolution
- Backlight auto-off: 180 seconds with push button auto-on
- Battery level indicator
- Warning Messages: move closer; move away; high dose rate move away; cps exceeds threshold; dose rate above threshold; stabilization off no ID; stabilization required; re-calibration required; memory is full; neutrons detected (with optional Neutron Detector)
- Real-time spectrum display shows accumulated spectrum

►► 3057G & RadView Software

- Menu driven user interface
- LCD with backlight 128 x 128 resolution
- Menu feature selection controlled by a five push button actuation
- Selectable features: Automatic or Manual Modes, Stabilization mode, CPS Alarm Threshold, Dose Alarm Threshold, Identification Time
- PC configurable: Reports, Date & Time, Units of Measure, Language, etc.
- Selectable displayed units - CPS, R/hr, Sv/hr

►► Response/Sensitivity

- Energy range: 30 KeV – 3.0 MeV (Gamma)
- Dose rate range: From 0.01 μ Sv/hr to 10.0 mSv/hr
- Resolution: 9% or better at 662 KeV
- Gamma spectrum: 1024 channels
- Optional neutron detector sensitivity: 0.6 CPS/NV
- Supports auto stabilization - Range 41°F (5°C) to 131°F (55°C)



Real-time spectrum display

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 Particle
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



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Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

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



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