

Model 945 SAM III Isotope Identifier



FEATURES

- **Real-Time Background Correction -- **New Feature****
- First Smart-Phone Enabled RIID
- Industry Largest Internal Detector
- Detachable Screen for Stand-Off Applications
- Networking with N42.42 Data Transmission
- Append Alarms with Notes, Images, Videos, Voice Memo
- Charge Your Battery from DC (Vehicle, etc)
- >8 Hours with Bluetooth Earpiece
- Auto Stabilized from -20°C to 50°C
- Cambio, Peak Easy or SAM-Viewer Compatible

APPLICATIONS

- Emergency Response (Fire, etc.)
- Homeland Security (Ports, Customs)
- Clandestine Surveillance (Public Venues)
- HAZMAT (Spills, Site Perimeters)
- Industrial (Uranium Mining, Shale)
- Medical (Radiopharmacy, Laundry, Waste)
- Radiation Safety (Nuclear Power, HEU)
- Passenger and Freight Monitoring
- Non-proliferation Enforcement (Inspections)
- Health Physics (HLW/LLW Monitoring, Recycling)
- Food, Water & Public Health
- Unattended / Remote Monitoring



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The Model 945 SAM III -- Radioisotope Identification Device (RIID)

-The latest identifier offers the convenience and familiarity of smartphone /PDA technology with powerful identification and analysis algorithms. The handheld Model 945 gives users real -time updates on isotope ID, isotope class, dose rates and count rates. The useful library options allows users an application-specific experience (Medical, ANSI, SNM, NORM, User-Customized, etc...) -The library is expandable (to 497 isotopes).

-The current feature list in the SAM 945 is eye-popping. In addition to a variety of triggering options and data collection or storage routines, the new handheld gives users handy extras like photo-tagging or mid-acquisition time adjustments. -The GPS details and other environmental conditions are automatically acquired without the need for special user involvement. Th-e utility of using a smartphone /PDA is remarkable, with vibrant display options, ringtones and alarm sounds, efficient power conservation and an IP65 rated detector package. PeakAbout...the App for the Model 945 SAM III is included at no charge and is updated with new features regularly.

For the next generation of Isotope Identifier users, the SAM III should be considered.



Vertical Orientation for Fast Dial



Horizontal Orientation for Spectra



Display Closed for Transport, Unmanned



Tripod Mount for Radiation



Display Indicators (BKG, Library, Mode, Alarm State)



Touch Peaks to Obtain Supporting Information



Color Coded Isotope Class and Details

Specifications:

Detectors:	Nal (General Purpose Isotope Identification) CeBr (SNM enhanced, High Resolution Spectroscopy) 3He (Neutron Detection, <i>Optional</i>) GM-Tube (High Does Rates, <i>Standard</i>)
Electronics	Digital Signal Processing 250,000 to 400,000 CPS (Cs 137)
Data Output	Format: XML, ANSI N42.42 Compliant Reports: ID, Confidence Level, Dose Rate, etc. with over 10,000 reviewable events. Identification: Isotope, Category, Confidence Range: 20keV - 3.0 MeV
Battery Details	Identifer: >8 hours, Lithium Ion Smartphone: >8 hours nromal use / brand dependent
Communication	Bluetooth, USB
Enclosure	Dust / Moisture: IP65 Drop- pable: 1M Drop Test Water: Spray Dimensions: 10" x 5" x 6" Weight: 6lbs (with standard detector) Operating Temp: -20C to 50C
Calibration	Auto-calibration and Auto-stabilization
Library (optional)	ANSI with color coded classifications, expandable USER library (ANSI 42.34 compatible)
Function	Background, Dose and Dose Rate, Isotope ID, Search
Memory	> 10,000 events with User Notes
Smartphone Functions	Operational Modes (User/Administrator), GPS, Data Communication Camera, Voice Recorder



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