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

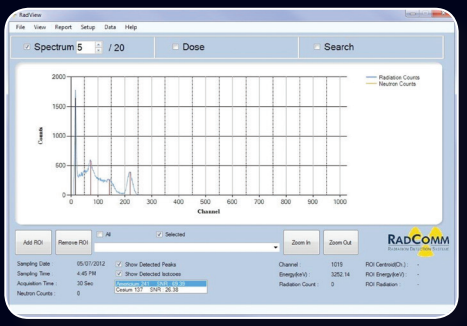
- Light weight and palm sized
- Large Nuclide Isotope library
- Simplified use and easy to understand operation
- Manual or Automatic operation modes
- Automatic Energy Stabilization (no check source required)
- RadView software for integration

MSPEC

SPECTROSCOPIC PERSONAL RADIATION DETECTOR (WITH OPTIONAL NEUTRON DETECTION)

Locate and Identify Specific Isotopes

MSpec 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 MSpec scans suspect material and quickly analyzes too determine what nuclide isotope is present and then calorizes the result as Medical, Industrial, Natural Occurring Radioactive Material (NORM), or Special Nuclear Material (SNM)



Operator Friendly

The MSpec has two modes a user may choose from:

Automatic is the quickest and easiest to use mode. Set in Automatic the MSpec 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)
- Instrument weight: 0.44 lbs (200 g)

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 1 ¾" (13mm x 38mm)
- Internal Lithium Ion Battery with charging LCD indicator
- Battery life up to 10 hours
- Battery recharging time up to 4 ½ 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: 2 ½" 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

MSpec & 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 µSv/hr to10.0 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

Leading Supplier of Innovative Radiation Detection Systems

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