Zero in on a potential radioactive source quickly and more effectively with the RC2PLUS.

Updated Design with Advanced Features

The Basic RC2PLUS automatically sets an alarm threshold over the total background count rate average upon each startup. This allows the RC2PLUS to detect very low radiation levels even when hidden by shielding such as scrap metal, waste, or other dense material. The RC2PLUS utilizes a large internal, high grade PVT scintillator to maximize sensitivity.

The RC2 plus is an effective hand-held detector that utilizes a large PVT plastic scintillation detector in order to provide sensitivity to Gamma and Beta. Operation of the RC2 plus is fully automatic and designed to allow fast and easy inspection of areas, containers or vehicles that might contain radioactive materials. The RC2 plus contains a state-of-the-art micro-controller and internal high speed electronic circuitry designed to automatically set the LOWEST-ACHIEVABLE-ALARM-LEVEL and to continuously monitor system operation in order to maintain consistent optimum performance. The RC2 plus is equipped with an internal rechargeable battery pack that eliminates the need for stocking and changing conventional batteries. In the event that radiation is detected a varying audio tone along with a vibrating handle will activate to help locate the source of radiation.

Upgradable for Increased Flexibility

At any time the RC2PLUS Basic can be easily upgraded to the RC2PLUS Advanced. The RC2PLUS Advanced stores operator results in a histogram record which can be downloaded via USB to RadComm’s PC software for further analysis. All Reports can be saved in PDF format and archived for future reference. Remote servicing/diagnostics and potential future software updates of the RC2PLUS can be achieved via an internet or network connection with RadComm’s software application.
SPECIFICATIONS:

Size:
- Detector Dimensions
  - 7" H(18cm) x 8-1/4" L(21cm) x 4" W (10cm)
- System weight: 3.4lbs (1.5kg)
- Detector Case: Durable plastic with protective silicone sleeve

Electronics:
- Integral PMT with EM Shielding
- Audio & Visual Alarm with Vibration
- Stable Low Noise, High Voltage Power Supply
- Battery: Internal Lithium Ion with charge indicator
- Battery Life: up to 9 hours
- Battery Recharge Time:
  - Wall charger: 2.5 hrs
  - PC USB: 6 hrs (estimated)

Environmental:
- Operating Temperature: -20ºC (-4ºF) to +60ºC (140ºF)
- Shock resistance: Complies with ANSI N42.34

Display:
- Backlit RGB colour LCD 320x240 resolution
- Viewing area: 2.7”(7cm) x 2.1” (5.3cm)
- Basic: selectable units of measure: (CPS, uSv/h, uR/r)
- Advanced: Histogram format

Software for Advanced:
- Menu Driven User Interface
- Configurable Data Storage with Backup
- Emailing capability (with network connection)

Detector Specifications:
- PVT (Basic & Advanced): 4” x 3” x 2” (101.6mm x 76.2mm x 50.8mm)
- GM Tube (Advanced only), 0.59” x 1.9” (12mm x 45mm)
- Dose Rate Range, Basic: 1 uR/Hr - 10 mR/Hr (10nSv/hr to 100mSv/hr)
- Dose Rate Range, Advanced: 1 uR/Hr - 10R/Hr (10nSv/hr to 100mSv/hr)

Response/Sensitivity
- Energy Range: 30 KeV – 2.0 MeV
- Gamma histogram:
  - 256 Channels, channel capacity 16 bits

RC2PLUS Basic vs Advanced

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<tr>
<th>Feature</th>
<th>Basic Option</th>
<th>Advanced Option</th>
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<td>Accumulated Dose</td>
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RC2PLUS - Docking Station (Optional)
- Docking Station charges RC2PLUS instrument
- Provides Area Monitoring while the RC2PLUS is docked
- Audio and Visual alarm with reset button
- Wall mounted with security lock
  - Weather Resistant Enclosure IP54 (Nema4) (305H x 254W x 190 D mm)
  - 25mm dia. Alarm LED
  - 25mm dia. Operational Status LED
  - 87-240 Vac 50/60 Hz/24V DC @ 500mm Input Power
  - Momentary Reset Button Internal Charger for RC2PLUS portable

Docking Station, Part no. RC_RC2-Dock