Zero in on a potential radioactive source quickly and more effectively with an RC2 PLUS

- Improved sensitivity and greater response
- Easy to use
- Larger high definition display with multiple languages
- Lightweight with longer battery life
- RC2 PLUS is available in two versions; Basic with Total Count version or the Advanced ROI Analysis versions

RC2 PLUS

PORTABLE RADIATION DETECTION SYSTEM

Updated Design with Advanced Features

The Basic RC2 PLUS automatically sets an alarm threshold over the total background count rate average upon each startup. This allows the RC2 PLUS to detect very low radiation levels even when hidden by shielding such as scrap metal, waste, or other dense material. The RC2 PLUS utilizes a large internal, high grade PVT scintillator to maximize sensitivity.

The Advanced RC2 PLUS utilizes both a PVT scintillator and a Geiger-Mueller tube to perform "Region Of Interest"(ROI) Analysis which allows the operator to see the distributed gamma energies in a histogram form. Once the ROI ranges are selected, a specific alarm threshold can be set for each ROI. This unique technology dramatically increases sensitivity while decreasing the adverse effects of "noise" caused by ambient background radiation. The RC2 PLUS provides many additional features such as Does Rate Alarm, Data Storage, and Graph Plotting.

Upgradable for Increased Flexibility

At any time the RC2 PLUS Basic can be easily upgraded to the RC2 PLUS Advanced.

The RC2 PLUS 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 RC2 PLUS can be achieved via an internet or network connection with RadComm's software application.

RC2PLUS 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 20 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:
- Basic & Advanced utilizes PVT:
  Size 4"(101.6mm) x 3"(76.2mm) x 2"(50.8mm)
- Advanced also includes:
  Geiger-Mueller tube, size 0.59"(12mm) x 1.9"(45mm)

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

RC2PLUS Basic vs Advanced
Each RC2PLUS Package Includes:

- RC2PLUS instrument charged and ready for use
- Hard shell carrying case
- Smart battery wall charger
- USB key with operation manual embedded
- Calibration certificate

Feature	Basic Option	Advanced Option
Search+Find	✓	✓
Total Counts	✓	✓
Dose Rate	✓	✓
Dose Rate Alarm		✓
Histogram		✓
Graph Plotting		✓
ROI Analysis		✓
ROI Alarm Threshold Settings		✓
Date Storage		✓
Accumulated Dose		✓

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

ALARA
Consultants Inc.