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 Total Count version or the Advanced ROI Analysis version
- RadView software for integration

RC2^PLUS

HANDHELD RADIATION DETECTION SYSTEM

Durable and Dependable

The RC2^PLUS Basic 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 RC2^PLUS Advanced 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 Accumulated Dose Rate Alarm, Data Storage, and Graph Plotting.

Upgradable for Increased Flexibility

The RC2^PLUS Basic can be easily upgraded to the RC2^PLUS Advanced at any time. The RC2^PLUS Advanced stores operator results in a histogram record which can be downloaded via USB to the RadView software for further analysis. All reports can be saved in PDF format and archived for future reference. Remote calibration of the RC2^PLUS can be done via a USB connection to a computer connected to the Internet.

Meets ANSI N42.33-2019 American Natural Standard Portable Exposure Rate Meters for Homeland Security.

RADCOMM
RADIATION DETECTION SYSTEMS

www.radcommsystems.com | www.radcommeurope.com

Size
- Detector Dimensions:
  5.9" (15cm) H x 8.5" (21cm) L x 4" (10cm) W
- 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 charging LED indicator
- Micro-USB connector for battery charging and data transfer
- Battery Life: up to 20 hours continuous
- Battery Recharge Time:
   - Wall charger: 2.5 hrs
  - PC USB: 6 hrs (estimated)

Environmental
- Operating Temperature: -20°C (-4°F) to +60°C (140°F)
- Shock Resistance: Complies with ANSI N42.34

Display
- Backlit RGB colour LCD 320x240 resolution
- Viewing area: 3.5"(8.9cm) TFT LCD
- Basic: selectable units of measure: (CPS, µSv/h, µR/r)
- Advanced: Histogram graph

Detector Specifications
- Basic & Advanced utilizes PVT:
- Size 4"(101.6mm) x 3"(76.2mm) x 2"(50.8mm)
- Advanced also includes: Geiger-Mueller tube
  0.59"(12mm) x 1.9"(45mm), for high dose rate

Response/Sensitivity
- Energy Range: 15 KeV – 2.0 MeV
- Sensitivity: 8 cps/µCi at 1m with Cs-137
- Gamma histogram: 256 Channels, channel capacity 16 bits
- Dose Rate Measurement Range: (± 30% accuracy)
  0.01 µSv/h ~ 0.1 mSv/h for Basic Model
  0.01 µSv/h ~10 mSv/h for Advanced Model
- Accumulated Dose Alarm: Configurable

Software for Advanced Version
- Menu driven user interface
- Configurable data storage with backup
- E-mail capability (with network connection)

Each RC2^{PLUS} Package Includes:
- RC2^{PLUS} 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		✓
RadView Software		✓

RC2^{PLUS} - Docking Station (Optional)
- Docking Station charges RC2^{PLUS} instrument
- Provides area monitoring while the RC2^{PLUS} is docked
- Audio and visual alarm with reset button
- Wall mounted with security lock