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

**DURABLE AND DEPENDABLE**

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 Advanced RC2PLUS 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 RC2PLUS provides many additional features such as Does Rate Alarm, Data Storage, and Graph Plotting.

**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 exclusive RadView 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.

**UPGRADABLE FOR RADON DETECTION**

New technology for express analyzing (< 5min) Radon concentration in air by using low energy resolution PVT plastic scintillator and high energy resolution Lanthanum Bromide inorganic scintillator as the gamma-detectors.
**RC2PLUS SPECIFICATIONS:**

**Size:**
- Detector Dimensions: 5.9" H (15cm) x 8.5" 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 color LCD 320x240 resolution
- Viewing area: 3.5" (8.9 cm) TFT LCD
- 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 .1mSv/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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**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

**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

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Laurus Systems