

RC2

Portable Radiation Detector



Features

- Innovative detection technology
- Fully automatic, easy to use
- Extremely rugged, made specifically for the scrap metal industry
- Highly sensitive and responsive: utilizes large 0.54L PVT plastic scintillation detector
- Adjustable sensitivity levels
- Automatically adjusts background
- Internal non-radioactive check source
- Rechargeable battery pack
- Variable alarm audio tone



www.radcommeurope.com

Designed specifically for the metals industry, the RC2 portable radiation detector is fully automatic, highly sensitive and easy to use.



The RC2 is an extremely effective hand-held detector that utilizes a large internal PVT plastic scintillator detector (up to 40 times larger than most of the portable units) in order to provide sensitivity to Neutrons, in addition to Gamma and Beta radiation detection capabilities. Operation of the RC2 is fully automatic and designed to allow fast and easy inspection of areas, containers or vehicles that might contain radioactive materials.

The RC2 contains a state-of-the-art micro-controller and internal high speed electronic circuitry designed to automatically select to the lowest achievable alarm level and to continuously monitor system operation in order to maintain consistent optimum performance, even when the battery voltage drops to low levels.

The RC2 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 will activate to help locate the source of radiation. In addition, the display will show an increasing counts per second (cps) numeric radiation level. The unit will also display nSv/h and μ R/hr.

There are also warning messages such as low battery, charging and over range (saturation) when the measured radiation exceeds the dynamic range of the system.

EUROPE
RADCOMM
RADIATION DETECTION SYSTEMS



- **Detector:**
0.54L plastic scintillator detector
- **Gamma energy response:**
From 30KeV
- **Sensitivity:**
500 counts per second (cps) in 10µR/hr
- **Operation:**
Single button activation automatically sets audio alarm levels and display function (counts per second).
Remaining battery life is displayed.
- **Display:**
Large 55mm x 55mm liquid crystal display of radioactive counts per second, updated every second
- **Temperature range:**
-10°C to 50°C
- **Mechanical:**
Structurally reinforced weatherproof aluminum case
- **Size:**
Height: 94mm + 58mm handle
Width: 138mm
Length: 250mm
- **Weight:**
2,36kg
- **Battery:**
Rechargeable 7.4 volt battery pack (internal) - 16 hours continuous operation/charge at 20°C; 4 hours full recharge using 100-220Vac 50/60Hz smart battery charger supplied with RC2
- **Yearly calibration certificate available for ISO Quality or Environmental requirements.**

RC2 Standard deliverables:

The RC2 is delivered fully charged and ready to go, including:

- RC2 instrument
- Check source: - Internal (Non-radioactive)
- Test plug for simulated source testing
- Hard shell transportation case
- Smart battery wall charger
- Operations manual, including:
- Radiation response chart
- Suggested procedure and operation safety guide
- Spare battery pack



Corporate Head Office

Steve Steranka
ssteranka@radcommsystems.com

Scott Aikin
saikin@radcommsystems.com

2931 Portland Drive
Oakville, ON CANADA L6H 5S4

Phone +1 905 829 8290
Toll Free +1 800 588 5229
Fax +1 905 829-1406

Europe

Joachim Geysen
joachim.geysen@radcommeurope.com
Watertorenweg 32, 2230 Herselt (Belgium)
Tel. +32 14 75 02 13 Fax +32 14 75 02 16

USA

Joshua Hunter
jhunter@radcommsystems.com
602 E. Lincolnway Ave., Valparaiso, IN 46383 USA
Tel. +1 219 476 9037 Fax +1 219 476 9197