

Detect hidden radioactivity contained in Waste and Scrap Loads with the RC2W34-2 Series vehicle radiation detection system

- Excellent detector technology and coverage
- User friendly, easy to operate
- Maintenance friendly
- Unique ease of installation
- Lowest cost of ownership
- Easily upgradable to RadComm's RC2000 Series and RC4000 Series software

RC2W34-2

VEHICLE RADIATION DETECTION SYSTEM

Best-in-Class Coverage

The RC2W34-2 Series radiation portal monitoring system was specifically designed to detect radioactive material contained in a moving vehicle loaded with waste and scrap metal/material. The innovative design of the RC2W34-2 is the result of customers' demands for best in class scanning coverage of vehicles with the lowest cost of ownership.

High Detection Capability with Low False Alarms

The RC2W34-2 Series utilizes high quality Polyvinyl Toluene (PVT) scintillators, highly sensitive Photomultiplier Tubes (PMT), coupled with high grade electronics and proven signal processing alarm algorithms. With the click of a mouse, the system can instantaneously relearn background levels providing accurate scanning while maintaining a low false alarm rate. If radiation signatures are present in a load of waste or scrap material, the system will immediately alarm and flash red to alert the user that a potential radioactive source has been detected.

Maintenance Friendly with Remote System Access

Utilizing RadComm's experience and success in remote access the RC2W34-2 was incorporated with internet connectivity so that testing and maintenance could be performed 24 hour a day/7 days a week. Most issues can be resolved within a matter of minutes from RadComm's Service center or any one of our fully licensed RadComm service agents.



The RC2W34-2 consists of:

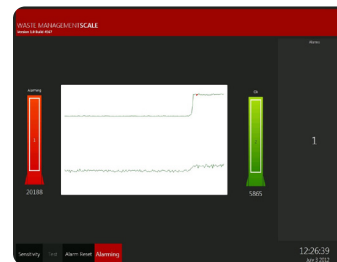
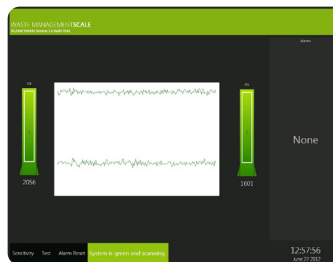
- 2 detector assemblies
- Power supply control unit
- Windows based software
- Remote communications package
- Large touchscreen PC (optional)

Software Features

- Windows based PC software for menu
- Easy to follow multilingual menu outlines and descriptions
- Easy to set alarm configuration menu
- Radiation levels displayed in counts per second or R/h, Sv/h
- Adjustable audio alarm
- Network access for remote service and monitoring

Detector Features

- Large premium grade PVT scintillators
- Total of 34.5 liters PVT volume
- Low density shield on face of detector panel
- Dual layer thermal insulation protection (-20° to +50°C)
- High signal to noise ratio PMT
- High speed pulse processor
- Noise reduction hardware/software
- 2 output drivers (24Vdc@50mA) for remote indicators
- Internal non-radioactive test source for detailed and repeatable system checks
- 24Vdc input voltage @1.5A
- Energy range: 50KeV to 2.0MeV



Customer to provide own computer with following minimum requirements:

- Windows 7 or greater
- 2 GB of RAM with 60GB of dedicated hard drive space
- 1.6 GHz or greater processor
- Internet connection
- Dotnet Framework 4.0
- USB or RS232 Serial Port
- Audio speaker
- Screen resolution of 1024x768

Model #	RC2W34-2
System Volume (in3)	2,108
System Volume (L)	34.5
PER/Panel Volume (in3)	1,054
PER/Panel Volume (L)	17.25
# of PMT's/panel	1
Specific Sensitivity (counts/s/cm ³ /nSv/h)	0.005
*Detection Capability/ Overall Sensitivity	3.3μCi (*116mCi)

*Radiation measurement of ¹³⁷Cs (point source) at 1 meter from the face of the detector (in brackets) the radiation exposure level is comparable to a 75mm x 150mm ¹³⁷Cs lead sealed source buried in 0.7 g/cm3 of scrap metal



Corporate Head Office
Scott Aikin
Saikin@radcommsystems.com
Jeff Adams
jadams@radcommsystems.com
2931 Portland Drive
Oakville, ON Canada L6H 5S4
Tel. +1 (905) 829-8290
Toll Free. 1 (800) 588-5229
Fax. +1 (905) 829-1406

USA
Joshua Hunter
jhunter@radcommsystems.com
602 E. Lincolnway Ave.
Valparaiso, IN USA 46383
Tel. +1 (773) 680-8430
Toll Free. 1 (800) 588-5229
Fax. +1 (219) 510-5764



Europe
Wim van Hove
wim.van.hove@radcommeurope.com
Watertorenweg 32, 2230 Herselt, Belgium
Tel. +32.14.75.02.13
Fax. +32.14.75.02.16

India
Neelakshi Bhargava
neelakshi@radcommsystems.co.in
C-34, Ground Floor, Sawan Park, Ashok Vihar
New Delhi 110052, India
Tel. +91-9717671924
Fax. +91-9818650118