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 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.

RADCOMM
RADIATION DETECTION SYSTEMS

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The RC2W34-2 consists of:

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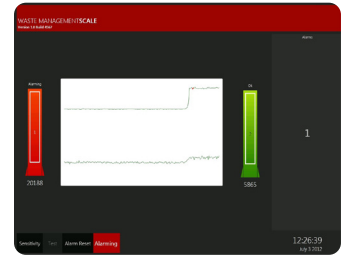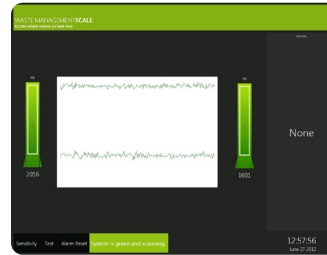- Large touchscreen PC (optional)

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

The range of the RC2W34-2 Series provides an extremely high degree of detection capability for a wide variety of radioactive elements. The detectors utilize large plastic scintillation panels that are extremely sensitive to Medical and Industrial Radiation. The geometrical shape of the detectors has been designed specifically for monitoring a wide range of vehicles.

- 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	3.3uCi (*116m Ci)

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