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 for enhanced sensitivity, detailed data storage and reporting

RC2W34-2

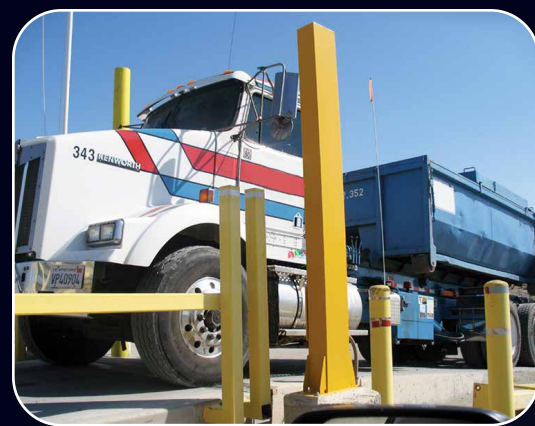## VEHICLE RADIATION DETECTION SYSTEM

Best-in-Class Coverage

The RC2W34 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 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 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 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

www.radcommsystems.com | www.radcommeurope.com

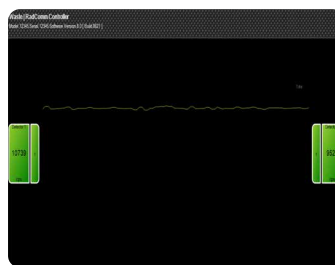RC2W34-2

RC2034WR-2

The RC2W34 consists of:

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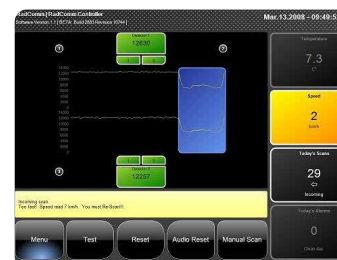
Software Features

- 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 (R/h, Sv/h available with RC2000 upgrade)
- Adjustable audio alarm
- Network access for remote service and monitoring available with RC2000 upgrade

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
- Network Switch

Customer to provide own computer with following minimum requirements:

- Windows 10 or greater
- 8 GB of RAM
- 500 GB Hard Drive
- Quad-core 1.8 GHz or greater processor
- dual Ethernet ports
- Dotnet Framework 4.8 or greater
- Audio speaker
- Screen resolution of 1024x768

Model #	RC2W34-2	RC2034WR-2
System Volume (in3)	2,108	2,108
System Volume (L)	34.5	34.5
PER/Panel Volume (in3)	1,054	1,054
PER/Panel Volume (L)	17.25	17.25
# of PMT's/panel	1	1
Detection Capability* Unshielded (Shielded)	3.3µCi (*116mCi)	2.8µCi (*116mCi)

*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