



RC2W34

Vehicle Radiation Waste Monitor



The **RC2W34 Waste Radiation Detection System** is a precise and innovative instrument specifically designed to detect radioactive material in a moving vehicle containing waste and scrap. The revolutionary design of the RC2W34 incorporates 20 years of engineering design and proven field application experience.

The RC2W34 incorporates state-of-the-art components and software. The end-user will have a clear understanding of the RC2W34 operations without a background in computer science or physics. The RC2W34 uses "rate-meter" concepts so that once the operational parameters have been established the system will provide automated scanning without operator interaction. The RC2W34 WASTE simply collects data on continuous bases from each detector assembly in the system and automatically sets up alarm thresholds according to the set parameters. In the event radiation has been detected in vehicle a varying audio frequency and change count-rate on the display will warn the operator of the detection. To ensure the operator hears and sees the alarm condition the audio and red alarm lamp will remain on until the operator resets the systems condition.

The revolutionary design utilizes high-speed micro-controller/CPLD technology in each detector assembly. Multiple electronic adjustments such as gain, high voltage, noise filters and thresholds can be made via the PC display screen and/or network connection. The system electronics utilize modular design allowing for fast and easy replacement of components. The PC windows based software is extremely flexible with easy to follow menus in multiple languages.

- (2) Large Premium Grade 1,056 in³ (17.3 L) PVT Scintillator
- Detector Case Nema-4(IP65) Rated
- Low Density Shield on Face of Detector Panel
- Dual Layer of Thermal Protection -4⁰F (-20⁰C) to 122⁰F (50⁰C)
- 95% Humidity Rating (Non-condensing)
- Noise Reduction Hardware/Software
- Internal Non-Radioactive Test Source
- 24 Vdc Input Voltage @ 1.5 A
- Energy Range: 50KeV to 3.0MeV (Incident)
- Sensitivity: Typ. 0.05 counts/s/cm³/nSv/h⁻¹
- RC2W34 Software - Easy to Follow Menus
- Audio and Visual Alarms
- Radiation Levels Displayed in CPS (counts per second), nSv/h⁻¹, µR/ h⁻¹

