

mini rad-V

Vehicle Mounted Radiation Monitor



SPECIFICATIONS

- Mission:** Vehicle mounted radiation detection system
- Detector:** 1.3 cm diam x 3.8 cm Cesium Iodide Scintillation detector with high-sensitivity photo-multiplier tube
- Calibration:** Automatic
- Sensitivity:** Alarms at 55µrem/hr (~63 µR/hr)
- Response Time:** Less than 1 second
- Display:** Large LED indicator for in-cab viewing
- Alarm:** Loud audible alarm (with acknowledge button)
- Environment:** -10°F to 122°F (-23°C to 50°C). Operates in high RF and other harsh environments
- External Sensor Housing:** IP 66 Compliant, Shock Isolated Enclosure
- External Sensor Dimensions:** 6.2" x 3.6" x 2.4" (245mm x 140mm x 95mm)
- External Sensor Weight:** 1.25 lb (.57 kg)
- Warranty:** 2 year parts and labor

Recognizing elevated radiation levels and detecting radioactive materials has never been easier. The ultra sensitive **Mini Rad-V** vehicle mounted radiation detector takes the proven performance and reliability of the **Mini Rad-D** and **Rad-D** technology to new levels for first responders and those concerned with discovering unwanted radioactive materials.

The Mini Rad-V will give the occupants of the vehicle an instantaneous alarm (< 1 second) when the radiological conditions minimally exceed normal background levels. Although the Mini Rad-V constantly calculates and updates the background conditions, the device can be adjusted prior to shipping if higher than usual radiation conditions are anticipated.

The Cesium Iodide Scintillation detector is encased and protected in a durable polymer enclosure that is designed to be impervious to even the harshest environmental conditions. This external sensor is designed to be easily and discretely installed behind the protective grill structure of virtually any vehicle. Because the Mini Rad-V employs patented anti-vibration technology in its construction, the end user is ensured of reliable performance no matter how much punishment the vehicle is subjected to.

On the interior, the display and alarm component is simple to understand and easy to operate. An audible and visual alarm notifies the user that the monitor has determined that radioactive materials are present near the vehicle. The alarm must be physically acknowledged to guard against elevated exposure rates being inadvertently overlooked. As with other D-Tect radiation detection and monitoring devices, there is effectively no training necessary for the mini Rad-V to be used to its fullest capacity.

Whether you are concerned with dirty bomb components, industrial accidents, or unknowingly adding radioactive materials to your normal payload, the Mini Rad-V will economically enable you to reduce your risks. Because it is permanently installed in the vehicle, if there is power from the battery, the Mini Rad-V is on the job

