

Instrument Demonstrations (Overview)



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Radiation Solutions Inc. Mobile Detection System (RSI Mobile)

- Full Spectral Data
- Ultra compact
- Vehicle or airborne use
- Gamma only search system
- RadAssist software for user control, monitoring and recording
- Nuclide identification

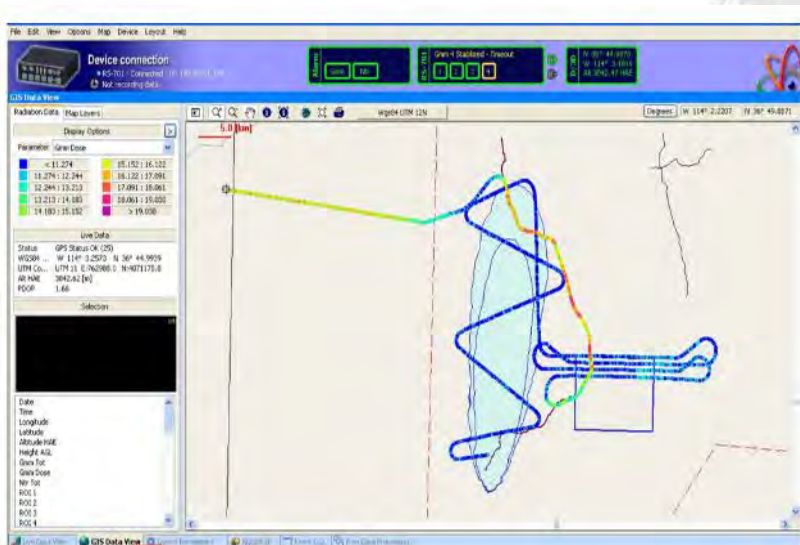


Components



- RS-605 – Control Unit
- RSX-1 – NaI Crystal (5 x 10 x 60 cm)
- Laptop with RadAssist Software

Uses



- Baseline Maps
- Search
- Venue Sweeps



Portal Monitor



FLIR IdentiFinder R425

- Radionuclide Identification Device (RID)
- Detects gamma and neutrons
- Uses a NaI (45x45x45mm) with silicon photomultiplier (SiPM)
- 12-hour battery life uses internal Li-ion cells and an external battery (1 each 116650 Li-ion or 2 CR123)
- Similar buttonology from previous models by FLIR



Health Physics Kit

Calibrated instrument for measuring dose and contamination

- **Internal Geiger-Muller detectors**
 - Two separate detectors
 - Low dose and high dose
 - Beta window on low range detector
- **Pancake probe (beta/gamma)**
 - Geiger-Muller detector
- **Alpha probe**
 - Zinc sulfide scintillation detector
 - Mylar window
 - 100 cm² surface



Tele-Probe Detector

Extendable long probe for measuring dose rates

FH-40 Tele-probe

Extendible up to 4 meters

Detectors

Proportional tube (internal)

Can be used with several probes

Unit Dimensions

0.4 kg

20 cm L x 7 cm W x 4 cm H

Uses

Measure dose rates

