



**RADIATION  
SOLUTIONS INC**

**RS-350**

**Backpack Detection System**

### APPLICATIONS

- ✓ Emergency Response
- ✓ Homeland Security
- ✓ Surveillance
- ✓ Environmental Monitoring
- ✓ Environmental Survey

### FEATURES

- Unique spectral analysis - high sensitivity performance with essentially no false alarms
- Large NaI Detector
- Neutron Detector option
- GM detector option for extended range
- Auto and continuous multi peak gain stabilization on natural isotopes
- High throughput & essentially zero Dead-Time
- Categorized NID: SNM, MED, NORM, IND
- Instant remote data access
- Locate and Identify Shielded Sources
- Energy Compensated accurate Dose Rate
- Tactile audio and visual alarm
- Large storage capacity: 8GB
- Reach-back via cellular, Wi-Fi and Bluetooth
- Built-in GPS and External GPS support
- >10hrs operation on battery
- Rugged and weatherproof IP65
- Designed to meet ANSI 42.53



- ✓ **REACHBACK**
- ✓ Fast
- ✓ Accurate
- ✓ Reliable
- ✓ Compact Design





## SYSTEM SPECIFICATION

### Performance

Gamma		Neutron	
Crystal Type	Nal(Tl), LaBr, CsI or CeBr3	Neutron Detector type	He-3 or Straw with Boron
Crystal size	3"x3", 2"x2", 2"x4"x4"	Size	10"
Dose Range- 3"x3" Nal	0 ~ 100mR/hr	<b>Integrated function</b>	
Dose Range- GM	0 ~ 1R/hr	GPS accuracy	2m
Energy Range	15keV ~ 3MeV	External GPS support	NMEA
Stabilization	No Sources required	Memory	8G Micro SD
Resolution* Nal Typically	< 7%	Connections	Bluetooth, WIFI, Cellular, Ethernet
MCA Channels	1024	Interface software	RadAssist

Physical		Accessories	
Protection Rating	IP65	Rugged Tablet PC	Bluetooth, Wi-Fi, cellular
External Power AC	Charge/operation	Smart Phone & Watch App	Bluetooth, Wi-Fi, cellular
Battery Type	Quick Charge LiPo	Headset	Bluetooth, wired
Battery life	>10h (2h charge time)	<b>Variations</b>	
Operating Temp Range	-50° to +50°	Number of detectors	Up to 4
Storage Temp Range	-50° to +50°		
Relative Humidity	100% non-condensing		
Applicable standards	ANSI 42.42; ANSI 42.53; CE		

\*FWHM at 662 keV at 20.0oC ambient temperature

