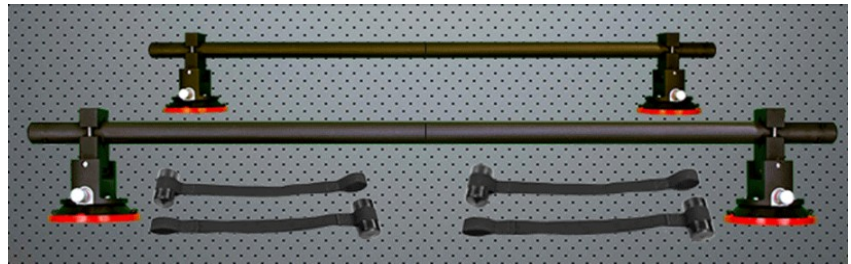


NUCSAFE

GUARDIAN SURVEYOR RADIATION DETECTOR



PGRS-XXX-Plus MOBILE PORTABLE DETECTION

OVERVIEW

Nucsafe, Inc. has spent several years working with military and law enforcement professionals from around the world in the development of the Portable Radiation Search Tool Briefcase (PRST-BC).

Nucsafe's Briefcase System is built to detect the presence of NORM, Industrial, Medical and SNM. The system incorporates state of the art passive scanning technology to detect changes in radiation levels emitted by gamma, radionuclides contained on persons, and in objects or vehicles.

The PRST-BC exceeds the strict requirements that military professionals, law enforcement, and emergency responders demand on today's complex missions. The briefcase is highly accurate, highly sensitive, rugged, portable and configurable for multiple mission requirements. The PRST-BC can be mounted in vehicle or hand carried as a portable instrument.

The PRST-BC is capable of detecting and identifying a wide range of radioactive material, including but not limited to, special nuclear materials such as plutonium and highly enriched uranium. Additionally, the PRST-BC identifies a wide variety of more common radionuclides and materials, including ^{40}K , ^{60}Co , ^{57}Co , ^{137}Cs , ^{192}Ir , ^{226}Ra , ^{241}Am , ^{232}Th and ^{201}Tl .

- Energy Range: 20keV - 3.3 MeV
- 2x4 NaI(Tl) or 3X3 NaI(Tl) , larger sizes available on request. Optional Li^6 Neutron Detector
- Hand held Android w/LCD display
- Audio / Visual / Vibration alarm
- Data storage >10 Gb (spectrum, analysis data, and optional data logging)
- Wireless communication 802.11
- Built-in Li-ion rechargeable battery > 24 hour run time
- Ability to operate on 12 VDC vehicle power or 110 - 240VAC - 12VDC wall adaptor
- Mapping software and tablet available

KEY SPECIFICATIONS

Type	Parameter	Specification	Units	Comments
Performance	^{137}Cs Sensitivity	>2900cps/uSv/h	cps/uSv/h	Using a 3x3 NaI(Tl) detector
	Resolution	<7.5%	FWHM	Using a 3x3 NaI(Tl) detector
Mechanical	Dimensions	42x33.1x17.4	Cm	-
		16.54x13.03x6.84	in	-
	Weight	14.2	lbs	-
		6.5	kg	-
Electrical	Input Voltage	12	VDC	-
	Input Current	<1.0	A	Fully populated with 3 detectors
	Power	5500	mAh	Fully charged
Environmental	Temperature	-20 to +60	°C	-
	Ingress Protection	IP67	-	IP67 / MIL C-4150J / STANAG 4280 / Def Stan 81-41

CONTACT US



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