G3910 Portal Monitor

Description

G3910 portal monitor is a modern, intelligent and cost-effective radioactive material detection system which is designed to detect radiation from moving containers, trucks, cars and pedestrians. Based on high sensitivity, fast response, automatic data storage and snapshot technology, it is widely used in customs, borders, ports, metal smelting enterprises and recycling industry.

Features

- Large area plastic scintillator gamma detector, volume 25/36/50 liters
- Modular design detector, 2 or 4 detectors for normal, max 8 detectors
- High performance ^{6}LiI(Eu) scintillator neutron detector is optional
- Distinguish Natural Occurring Radioactive Materials from Special Nuclear Materials
- Audible & visible alarm simultaneously
- Real-time snapshot and locate the radioactive sources
- Optional text message alarm
- Fully compliant with IAEA,GB/T 24246-2009 standards

Specifications

	Gamma Detector	Neutron Detector(optional)
Detector	25/36/50 litres plastic scintillator	^{6}LiI(Eu) scintillator
Energy range	20 KeV ~ 3000KeV	thermal neutron to 14MeV
Sensitivity	an increase in 0.04μSv/h against the background level of 0.2μSv/h, alarm in less than 1 second. detection probability: 99.9%	
Search area	0.1 to 4.5 meters height & 5 meters width with bilateral detectors	
False alarm rate	≤ 0.1%	
IP rating	IP 55	
Communication interface	wire RJ45	
Operation temperature	-20 ℃ to 50 ℃	
Power supply	110/220 V AC	

Applications

- Customs
- Borders
- Airports
- Nuclear power plant
- Scrap metal recycling
- Metal smelting enterprises