

For a safer tomorrow

SIM-MAX Product Catalog

An Expert at Chemical and Nuclear Threat Detection

SIM–MAX Technology Co.,Ltd. www.sinosimax.com Henan Major Industries Imp. & Exp. Co., Ltd.



SIM-MAX 100G

 $SIM-MAX \ 100G$ is a multi-functional radiation meter, it is equipped with five intelligent probes for detecting α , β , γ , n pollution of environment or staffs. Integrating these excellent probes, $SIM-MAX \ 100G$ can be applied in almost the whole radiation protection and measurement.



Features

- · Intelligent probes with measuring and date saving functions
- · Main unit automatically identification of different probes
- · Identify NORM and artificial, man-made sources
- · Contaminated material or hidden sources are located fast and reliably
- · 4 m adjustable telepole expands the range of measurement

- Personal radiation protection, surface contamination and dose rate measurement.
- Neutron and gamma can be measured simultaneously at complex radiation area.
- · Search the hidden radioactive sources.
- · Long distance detecting with telepole

Multi-functional Radiation Meter



Main unit

- · 2.8 inch TFT panel with backlight
- Internal energy compensation GM tube
- Dose rate range: 100nSv/h~100mSv/h
- · Less than 300g, measuring gamma dose rate



X ray and gamma dose rate detector

- * 76mm × 76mm composite scintillator detector
- Energy range: 20keV ~ 7MeV
- Dose rate range: $10nSv/h \sim 100 \,\mu Sv/h$
- Sensitivity: ≥2000cps/(µSv/h)@[™]Cs



α , β/γ detector

- · Large laminate scintillator detector, 100cm
- Background: α<0.1s', β<20s'
- Surface activity response
- $\alpha:\ \ge 12s \, Bq \, cm^{\circ} \, @^{\circ * *} Am$
- $\beta: \ \geq 20 s^{\cdot} Bq^{\cdot} cm^{\epsilon} \, @^{\circ s} Ti$



Neutron detector

- . 6Lil(Eu) Scintillator detector
- . Energy range: thermal neutron to 16 Mev
- Sensitivity: 1.0 cps/(µSv/h)



High-sensitivity y detector

- 2" × 2" Nal or BGO scintillator detector
- · Energy range: 30Kev ~ 3Mev
- Sensitivity: 1500cps/(µ Sv/h)





Wide-range y detector:

- Double GM tube detector
- Energy range: 40Kev ~ 3Mev
- Dose rate range: 0.1 µ Sv/h ~ 1Sv/h

Telepole

- · Adjustable length, maximum 4m.
- Suitable for all α , β/γ detectors
- Weight: only 1.5kg

SIM-MAX AB3210 α,β Surface Contamination Meter

SIM-MAX AB3210 is a portable and rugged surface contamination detection instrument, whose detector is a thin plastic scintillator coated with ZnS. Based on the high sensitivity, lightweight, ease of use, it has been widely used in law enforcement, emergency response, nuclear plants, customs, border patrol, hospital etc.

Features

- State-of-the art plastic scintillator detector without filling gas
- · Large detection area up to 170cm*
- Simultaneously measure alpha and beta radiation
 without external probes
- 26 nuclides in the freely programmable library, user-specific nuclides can be added
- · Results displayed in CPS, Bq or Bq/cm
- User-friendly interface, 4 keys operation
- by one hand
- · Light weight

Specifications

Detector	plastic scintillator detector coated with ZnS
Area of the probe	170 cm ²
Alarm mode	visible and audible alarms
Result display	CPS, Bq or Bq/cm ²
Nuclide Library	26 nuclides, user-specific nuclides can be added, auto calibration
Typical efficiency (2 π)	(2π) C-14: 14%, Sr-90 / Y90: 35%, Am-241 alpha: 22%
Background	α: 0.1 CPS; β:10 to 15 CPS
Display	large size LCD display, 144 × 64 pixels with automatic backlight
Power supply	3 AA batteries or NiMH rechargeable batteries, continuously work fo
	at least 24 h
Weight	780g (include battery)
Operating temperature	−10°C to 60°C

- Environmental protection
 Public security Military
- Customs and ports
- Emergency response
- Hospital
- Nuclear power plant

SIM-MAX G1110 Radionuclide Identifier

SIM-MAX G1110 Radionuclide Identifier is a versatile equipment and capable of radiation sources search, dose rate measurement and radionuclide identification with outstanding sensitivity and reliability, and optional neutron monitoring module can adds the capability of detecting shielded Special Nuclear Material (SNM)

Features

- Source search, dose rate measurement and radionuclide identification modes
- Internal and external dual calibration without
 external radioactive source
- High-performance lithium iodide scintillator neutron detector optional
- Short warm-up time, ready for radionuclide identification in three minutes
- · Automatic and manual radionuclide identification, fast and reliable
- Standard ANSI N42.34 isotopes with the user-defined function
- Electro-magnetic interference immunity(EMI)



Specifications

Detector	2" Nalor 1" LBF or 1.5" LCF, 'Lil(Eu)	
Energy range	30keV to 3.0MeV	
Energy resolution	7% Nal、3.5%LBF or LCF ("Cs source)	
Nuclide database	Medical, Industrial, Special Nuclear Materials, Natural Occurring	
ID and in a	Radioactive materials, user-defined lists	
IP rating	IP65	
Power supply	Rechargeable lithium battery (\geq 8 hours) , 110/220V AC	
Temperature	-10℃ to +50℃ (14° F~122° F)	
Weight	2 kg	
Dimension (I × w × h)	267×132×198 (mm) (10.5"×5.2"×7.8")	
Display	3.5" colorful TFT display	
Data storage	Built-in large-capacity memory, more than 10,000 spectrum	
Communications	USB、wireless、network port	
Nodel of detectors		

G1110-2: 2"x 2" Nal G1110-1-LBF: 1"x 1" LBF G1110-1.5-LCF: 1.5"x 1.5" LCF G1110-N1: " 'Lil(Eu)

SIM-MAX G4110 Portable Multi-channel Gamma Spectrometry

SIM-MAX G4110 serves for determination of K, U, Th concentrations and of natural gamma dose rate in the frame of raw material (uranium) prospecting, environmental monitoring, geological mapping, laboratory assays, industrial and healthcare purposes. It can not only provide complete measurement and analysis, but also can be used as survey meter with fast measuring. The data will be stored in the internal memory and also can be exported by computer.

Features

- · 1024-channel spectrometer with BGO detector
- · K, U, Th assays, dose rate and search modes
- K: %, U: ppm, Th: ppm
- Fast auto-stabilization without radioactive sources.
- 3 measuring method of fast, timing and continuous detection.
- · Automatically store data with serial number.
- · Ease of use, no need to set while regular operation.
- · Visible, lighting and sound alarm simultaneously
- · Light weight and equipped with strap.



Specifications

Detector	Φ2"×2.4" BGO	
Spectral Analyzer	1024 Channels	
Energy resolution	≤12% ([™] Cs)	
Measuring range	eU : 1~1000×10 ⁻⁺ (Ur) eTh : 1~1000×10 ⁻⁺ (Ur) eK : 0.2%~100%	
Relative error	eU、eTh:E≤7%;eK:E≤12%	
Power supply	Rechargeable lithium ion battery	
Temperature	0°C~+50°C	
Humidity	≤90% (40°C)	
Weight	2.9kg	

Applications

Determination of K, U, Th concentrations and natural gamma dose rate, spectral measurements with identification of radiation sources for mineral and raw material (uranium) prospecting, environmental monitoring, geological mapping, laboratory assays, industrial and health care purposes.

SIM-MAX G3140 X-Ray and Gamma Dose Meter

SIM-MAX G3140 employs patented technology to provide rugged, reliable and affordable operation at any nuclear facility concerned with gamma and x-ray radiations of environmental level. The large area composite scintillator and internal GM tube in the main unit greatly improves the sensitivity of radiation detection.

Features

- High sensitivity and fast response to minute amount of radiation
- Wide measuring range and energy response range
- Distinguish NORM and artificial, man-mad
- · Adjustable dose and dose rate warning thresholds
- · Automatic shift of measuring range
- Large LCD and automatic backlight
- · Special tripod optional for outdoor surveillance monitoring



Detector	Large composite scintillator	GM tube
Size of Detector	Φ76mm×76mm	Φ13mm×54mm
Energy range	20keV ~ 7MeV	36 keV~ 1.3MeV
Measuring range	10nsv/h~100 µ Sv/h	100nsv/h~100mSv/h
Sensitivity	>2000cps/(µSv/h@ [™] Cs	1.0 cps/ µ Sv/h
Relative error	<10% @ ¹³⁷ Cs	
Power	Lithium ion battery., 120h for main unit, 16h for overall unit.	
IP	67	
Interface	USB	
Temp & Hum	-30°C ~ 50°C, 0 ~ 95%	
Weight	≤2kg	

SIM-MAX 100G-T X-Ray and Gamma Wide Range Dose Rate Meter

SIM-MAX 100G-T is a gamma survey meter mounted on an extendable pole designed for monitoring less accessible areas or providing "safe distance" operation. There are two detector to read the radiation around, the internal detector provides measurements over the range 0.1Sv/h to 10mSv/h, the external wide range dual GM tube detector mounted at the pole end provides measurements over the range 0.1Sv/h to 10Sv/h.

Features

- · Wide range of dose rate with dual GM tube detector
- · Length adjustable (max 4m), easy-to-use.
- · Programmable alarm thresholds
- · Display switchable between in the internal detector and the external

Specifications

Detector	double GM tube
Energy range	36keV~3.0MeV
Dose rate range	100nSv/h~10Sv/h
Operation temperature	0℃ ~ +50℃
RH	≤90% (50°C)
Weight	less than 1.5kg
Power supply	rechargeable Lithium ion battery (>20 hours)

- Nuclear industry
 · Recycling industry
 · Emergency response
- Fire brigades
 Nuclear medicine
 Research

SIM-MAX G3010 X-Ray and Gamma Radiation Survey Meter

SIM-MAX G3010 is a light-weight and very rugged instrument designed for quick and reliable measurement of gamma dose rates, which uses CsI crystal and photodiode as the main detectors, and uses built-in GM tube to widen the measuring range to 100mSv/h.

Features

- · Lightweight and portable
- · High sensitivity with large-volume Csl crystal detector,
- Timing dose measurement function
- · Alarm threshold continuously adjustable
- Audible and visual alarm
- USB interface available for data transmission
- Skidproof case, CE compliant
- · AA battery, easy-to-change

Constitutions

Specifications	
Detector	CsI (TI)scintillator, silicon diode and GM tube
Energy range	30keV~3.0MeV
Sensitivity	>250cps/ (µSv/h) @ [™] Cs
Dose rate range	0.01 µ Sv/h~100mSv/h
Dose range	0.01 µ Sv ~10Sv
Relative error	< ±10% (³³ Cs)
Operating temperature	−10°C~50°C
Relative humidity	90% (30°C, non-condensing)
IP rating	IP65
Power supply	four AA batteries (>30hours)
Weight	<500g
Dimensions (w × I)	89mm ×265mm
Data storage	memory card
Data communication	USB、RS232

- · Radiation protection for nuclear facilities, nuclear regulatory, nuclear-related public institutions & enterprises.
- CDC health sector emergency response
- · Safety and security of embassies or large-scale activities
- . Inspection and quarantine, customs, ports, border control and other nuclear and radiological terrorism



SIM-MAX G3150 X-Ray and Gamma Personal Dosimeter

SIM-MAX G3150 is a card shape direct-reading and alarming electronic personal radiation detector. It uses a diode and a CsI(TI) scintillation crystal to detect X- and gamma radiation, and provides real-time monitoring of personal dose and dose rate. The outstanding performance keeps you informed in real time of the radiation rate, allowing immediate reaction in case of emergency response, thus drastically reducing the exposure to photon radiation.

Features

- Silicon semiconductor and CsI (TI) crystal composite detector
- · Alarm threshold adjustable continuously
- Audible, visible and vibrative alarm
- · Electro-magnetic interference(EMI) immunity
- Qualified by the GB/T 13161-2003 standard
- USB communication, ease of use



Specifications

Detector	CsI(TI) scintillator and silicon semiconductor
Dose range	0.01 µ Sv to 9.99Sv
Dose rate range	0.01 µ Sv/h to 100mSv/h
Energy range	48k eV to 3 MeV
Angular response	< ± 20%, (0° to ± 75° @ ⁵⁹ Cs)
Response time	≤5 s (10 u Sv/h)
IP rating	IP65
Temp & Hum	– 30 ° C to 60 ° C , RH < 95%
Power supply	≥ 200 hours (Rechargeable Lithium Battery)
Weight	55g (include battery)
Dimensions (I × w × h)	86 × 56 × 10 (mm)
Date Storage	large-capacity memory
Communication	USB

- Customs and ports
 Fire Departments
 Fire Departments
- Emergency Response Teams
- Nuclear medicine and nuclear industry
 Civilian "related source" of enterprises
- Nuclear Power Plants

SIM-MAX G3200 Area Radiation Monitoring System

SIM-MAX G3200 SIM-MAX G3200 is a unique area radiation monitoring system which can be used to monitor radiation level of public places and radiation fields. The system consists of a monitor and several detectors. Monitor collects and analyzes radiation rate data from different detectors. The status and alarm information will be transmitted to the computer. Monitor, detectors and computer connected via RS485 data transmission network. Each monitor can be connected to as many as 128 detectors and maximum transmission distance is 1000 meters. G3200 is widely used in environment protection, human health and metallurgy industry, etc.

Features

Optional monitor and detector based on

radiation level and customer demand.

- Optional^Lil(Eu) neutron detector
- 320 × 240 large screen LCD, user friendly.
- · Independently adjustable alarm threshold

for each detector.

- · Visual and audible alarm
- Rugged and Waterproof



Specifications

Monitor:			
Alarm threshold	5μSv/h (adjustable)	Power supply	220V
Maximum probe No.	128	Temperature	−10°C~ 50 °C
LCD	320*240	Size	250*180*60 (mm)
Communication	RS485, Ethernet, RJ45	Weight	3kg
Detector:			
	Gamma	Neutr	on(optional)
Detector	GM proportional counter, N		u) scintillator, oportional tube
Energy range	40KeV~3MeV	and a second second	
Dose rate range	0.01 µ Sv/h ~999.9 µ Sv/h	0.01 µ Sv/h ~999.9 µ Sv/h 0.01 µ	
Measuring time	continuous on-line monitor	ing	
Sensitivity	≥ 1.2 μ Sv/h		
Response time	≤ 1s	≤ 1s	
Relative error	± 20%		
Power supply	220V		
Temperature	−10°C~ 50 °C		
Weight	2.3Kg		

SIM-MAX N3020 Neutron Dose Equivalent (Rate) Meter

SIM-MAX G3150 is a lighter meter for measuring neutron dose equivalent (rate). Its 6Lil (Eu) scintillator detector greatly improves the sensitivity of neutron detection. It is an intelligent, digital instrument with advantages of high sensitivity, excellent gamma rejection ratio, portable, light weight, easy to use, etc.

Features

- · High-performance 'Lil (Eu) scintillation detector
- 3.5 " high-definition colorful LCD screen with digital and analog displays
- Multiple communication interface for data management and remote control
- · Audible and visible alarm simultaneously
- · Electro-magnetic interference(EMI) immunity , qualified by CM



Specifications

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Detector	'Lil(Eu) scintillator
Energy range	0.025 eV to 16 MeV
Dose rate range	0.1 µ Sv/h ~ 100 mSv/h
Dose range	0.01 µ Sv~1Sv
Sensitivity	0.6CPS/(µSv/h), [™] Cf source
Angular response	$\leq \pm 25\%$ (0 to $\pm 90^{\circ}$, $^{\text{\tiny MSC}}$ Cf)
Repeatability	≤ ±20%
Gamma rejection ratio	≥100:1 (10m Sv/h@ [™] Cs)
IP rating	IP67
Alarm sound	more than 85dB @10cm
Temperature	–10° C to +50° C (14° F~ 122° F)
Power supply	rechargeable lithium battery(continuous working for 16 hours), 110/220V AC adapter
Weight4.7kg	4.7kg
Dimensions(I × w × h)	300×175×248 (mm) (11.8"×6.9"×9.8")
Communication	USB, network port , RS485

- · Neutron dose equivalent (Rate) detection of nuclear power plants, research nuclear reactors,
- · particle accelerators and places with isotopic neutron sources
- · Emergency response for Disease Control Centers and environment monitoring department
- Anti-terrorism, border control, customs inspection, etc.

SIM-MAX NG3010 Neutron and Gamma Survey Meter

SIM-MAX NG3010 is a hand-held radiation survey meter designed for detection of neutron and gamma radiation at the same time. Its neutron detector and gamma detector are ⁶Lil (Eu) and CsI (TI) scintillation crystal coupled with photodiode respectively. The neutron detector is surrounded by a unique cylindrical moderator which greatly improves the sensitivity of neutron detection.

Features

- High sensitivity and fast response
- Neutron and Gamma independent channels
- · Durable, compact, user friendly
- High-definition colorful LCD
- · audible and visible alarm simultaneously
- · Electro-magnetic interference immunity, CE compliant
- ANSI N42.35 and ITRAP standard compliant



Specifications

	Neutron	Gamma
Detector	'Lil(Eu)	CsI(TI)
Energy range	0.025 eV to 14 MeV	30keV to 3.0 MeV
Sensitivity	0.5CPS/(µSv/h)@ [™] Cf	110CPS/(µSv/h)@ [™] Cs
Dose rate range	0.1 µ Sv/h to 100mSv/h	0.01μ Sv/h to 100μ Sv/h
Dose range	0.01 µ Sv to 1Sv	0.01 µ Sv to 10 Sv
DER Relative error	$< \pm 20\%$ (200keV to 7MeV)	< ±20%
Relative Humidity	90% (30°C, non-condensing)	
Temperature	-10° C to 50° C (14°F to 122°F)	
IP rating	IP65	
Power supply	2600mAh lithium ion battery, continuous more than 20 hours	
Weight	690g	
Dimensions	Φ90×267 (mm) (3.5"×10.5")	
Communication	USB, RS232, wireless port	

- Radiation protection of nuclear facilities, nuclear regulation departments and the enterprises with
 radioactive sources
- Emergency response for Disease Control Centers and environment monitoring department
- Security of large-scale activities, embassies and consulates abroad
- · Prevent illegal transport of radioactive materials or radioactive terrorist attacks from occurring

SIM-MAX N3010 Neutron Radiation Survey Meter

SIM-MAX N3010 is a light-weight and very rugged instrument designed for quick and reliable measurement of neutron radiation, which uses 6Lil(Eu) scintillator as neutron detector. It measure neutron radiation levels and alert a user if the radiation levels exceed the preset thresholds. Ease of use and sensitivity make this instrument an ideal tool for police and for other specialists of emergency services, customs and border patrol.

Features

- · Lightweight and portable
- Timing dose measurement function
- · Alarm threshold continuously adjustable
- · Audible and visual alarm
- $\cdot\,\text{USB}$ interface available for data transmissic
- · Skidproof case, CE compliant
- · AA battery, easy-to-change



Specifications

Detector	[°] Lil(Eu) scintillator
Energy range	0.025eV~14MeV
Sensitivity	>0.5cps/ (µ Sv/h)
Dose rate range	0.1 µ Sv/h ~ 100mSv/h
Dose range	0.01 µ Sv ~ 1Sv
Relative error	< ±20%("Cf)
Operating temperature	– 10°C ~ 50°C
Relative humidity	90% (30℃, non-condensing)
Power supply	four AA batteries (>30hours)
Weight	<600g
Dimensions (w × l)	89mm ×265mm
Data communication	USB、RS232

- ·Users of industrial neutron sources, e.g. in geology and material testing
- · Operators and users of accelerators in medical science and research
- · Radiation protection staff and inspectors of nuclear facilities
- · First Responders and law enforced officers
- · Safety and security of large-scale activities

SIM-MAX N3130 Personal Electronic Dosimeter for Neutron Radiation

SIM-MAX N3130 is the most sensitive card-type personal neutron dosimeter in the world independently developed by SIM-MAX Technology Co., Ltd. It utilizes ⁶Lil (Eu) scintillator for enhanced sensitivity to provide more precise measurement based on albedo technology. It provides rugged, reliable and user-friendly operation. Besides, N3130 is cost-effective because it can be used in turns by as many as 10 people.

Features

- . 'Lil (Eu) scintillator neutron detector for high sensitivity
- · Used in turns, cost-effective
- ·Wide-View display simultaneously provides both accumulated
- dose and dose rate
- · Audible, visible and vibrative alarm simultaneously or selective
- · Infrared interface allows instant communication with PC
- · Electro-magnetic interference immunity, CE compliant



Specifications

Detector	'Lil(Eu)
Dose range	0.1 µ Sv to 10Sv
Dose rate range	0.1 µ Sv/h to 100mSv/h
Gamma rejection ratio	\geq 10:1@ 10m Sv/h, "Cs source
Energy range	0.025 eV to 14 MeV
Angular response	\leq ±30%, 0° to ± 60° @ 241Am-Be
Relative error	$\leq \pm 30\%$, 10 μ Sv/h to 100mSv/h @ ²⁶⁶ Cf
Response time	≤ 5 s
Ingress Protection	IP67
Temperature	-10° C to 50° C (14°F to 122°F)
Power supply	one AAA battery (≥50 hours)
Weight	95g with battery
Dimensions (I × w × h)	$110 \times 55 \times 15(mm) / 4.3 \times 2.2 \times 0.59(inches)$
Communication	IR

- · Monitoring personal neutron dose at nuclear power plants, nuclear reactors, particle accelerators,
- \cdot hospitals, oil well logging, industrial flaw detection, etc.
- · Emergency alarm and inspections of policeman, fireman, customs officers and security guards.

SIM-MAX G3910 Vehicle Portal Radiation Monitor

SIM-MAX G3910is specifically designed to detect radioactive material contained in a moving vehicle loaded with goods, waste, scrap, or recycled material in a passive way. Based on high sensitivity, fast response, automatic data storage and snapshot technology, it is perfectly suitable for preventing illegal carrying and diffusion of radiation material at border and customs checkpoints, airports and nuclear power plants, etc.

Features:

- ·Large and sensitive organic plastic scintillator
- detectors ,each volume 25 or 36 or 50 liters
- •Modular design detector, 2 or 4 detectors for normal, max 8 detectors
- ·High performance neutron detector is optional
- ·Distinguish NORM 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	Helium–3 Neutron Proportional
	•	Counters
Energy range	20 KeV ~ 3000KeV	thermal neutron to 14MeV
Sensitivity	an increase in 0.04 μ Sv/h against the background level of 0.2 μ S	
	alarm in less than 1 second. detection	on 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 65	
Communication interface	wire RJ45	
Operation temperature	-20 C to 50 C	
Power supply	110/220 V AC	

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

SIM-MAX G3920 Spectroscopic Portal Radiation Monitor

SIM-MAX N3920 incorporates gamma detection and radionuclide identification capacity, providing a rapid means to check pedestrians and luggages taking radioactive materials, it is perfectly suitable for preventing illegal transportation of radioactive materials at border and customs checkpoints, airports and nuclear power plants, etc.

Features

- ·High sensitive NaI(TI) gamma detector
- ·High performance 'Lil(Eu) scintillator neutron detector optional
- ·Advanced and rapid spectroscopic analysis for SNM, medical radionuclide,
- industrial radionuclide and NORM detection and identification
- ·Automatic spectrum-stabilizing technique, high adaptability to circumstance
- ·Audible & visible alarm indication with adjustable alarm levels



Specifications

	Gamma Detector	Neutron Detector(optional)	
Detector	0.2 litre NaI(TI) scintillator	['] Lil(Eu) scintillator	
Energy range	25 KeV ~ 3.0 MeV	thermal neutron to 14MeV	
Sensitivity	an increase in 0.1 μ Sv / h against the background level of 0.2 μ Sv / h,		
	alarm in less than 1 second. detection probability: 99.9%		
Monitoring region	0.1 to 2 meters height & 1.5 meters width with bilateral detectors		
False alarm rate	≤ 0.1%		
Communication interface	wire RJ45		
Operation temperature	-20 C to 50 C		
Power supply	Rechargeable lithium battery (≥8 hours),110/220 V AC		
Appearance dimension	Φ 76mm(diameter)×1100mm(height)		
Weight	≤10 kg		

·Customs	· Subway	· Nuclea	rpowers	· Borders
·High-speed F	Railways	 Hospitals 	 Airports 	 Large-scale activities

SIM-MAX G3930 Pedestrian&Luggage Portal Radiation Monitor

SIM-MAX G3930 is a portal radiation monitor used for detection of luggages and pedestrians. It is equipped with two plastic scintillators which greatly improve the sensitivity. All of the advantages such as fast response, user-friendly software and automatic data saving allow the SIM-MAX G3930 to be one of the most convenient portal radiation monitors for luggages and pedestrians at borders, customs, airports, nuclear plants, etc.

Features

- · Large area plastic scintillator gamma detector, 15 liter × 2
- · Optional high performance 'Lil(Eu) scintillator neutron detector
- · Efficiency raised by 30% with dual PMT design
- Distinguish special nuclear materials from natural occurring radiative materials
- · Audible & visible alarm indication with adjustable alarm levels
- · Fully compliant with IAEA, GB/T 24246-2009 standard



Specifications

	Gamma Detector	Neutron (optional)	
Detector	15 liter plastic scintillator	[*] Lil(Eu) scintillator	
Energy range	20 KeV ~ 3000KeV	Thermal neutron to 14MeV	
Sensitivity	An increase in 0.04 μ Sv/h against the background level of 0.2 μ Sv/h, alarm in less than 1 second. detection probability: 99.9%		
Monitoring region	0.1–2 meters height & 1.5 meters width with bilateral detectors		
False alarm rate	≤ 0.1%		
Communication interface	wire RJ45		
Operation temperature	-20 C to 50 C		
Power supply	110/220 V AC		
Dimensions	1500×2150×324(mm)		
Weight	≤150kg		

- Customs · Subway · Nuclear powers · Borders
- High-speed railways
 Hospitals
 Airports
 Large-scale activities

SIM-MAX G3940 Luggage Portal Radiation Monitor

SIM-MAX N3940 provides an easy and rapid detection of radiation from luggages to prevent illegal transportation of radioactive sources. It has been widely used in airport[§], customs, nuclear power plants, hospitals based on its high sensitivity and fast response.

Features

- · 15 liters of imported large scintillator detector
- · Lil(Eu) for neutron detection optional
- · Identify SNM and NORM
- · Automatic data storage of detection



Specifications

	Gamma Detector	Neutron	
Detector	Large plastic scintillator	'Lil(Eu)	
Energy range	20keVto3.0 MeV	thermal neutron to14MeV	
Sensitivity	an increase in 0.1 μ Sv / h against the background level of 0.2 μ Sv /		
	alarm in less than 1 second. det	tection probability: 99.9%	
Monitoring area	Height:0.1m-1m. Width:1m		
False alarm rate	≤0.1%		
Temperature	-30°C-50°C		
Power supply	220V/50Hz AC		
IP rating	IP65		
Communication	Ethernet		

- Customs · Nuclear power plants · Airports · Military departments
- Railway stations
 · Hospitals
 · Large scale activities
 · Borders

SIM-MAX PRODUCT For a safer tomorrow

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