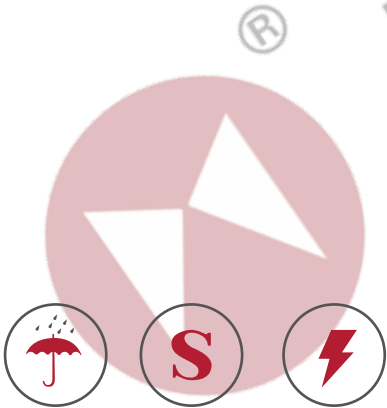


MRT1000

Professional manufacturer, best quality with competitive price ●
Recommended by the world UT NDT inspection association for training and examination ●
Core technology with independent intellectual property rights, certificate of CE, GOST and etc.. ●

Personal Radiation Survey Meter



Overview

MRT1000 is a high accurate personal dosimeter which is used to monitor X-rays and γ rays. The device adopts the energy compensated GM counter tube as detector, with high sensitivity and accuracy. Equips powerful microprocessor and high-end OLED displays, making the operation easier. It has a strong anti-interference ability and can do any combination of sound, flash and vibration three types of alarm modes, the alarm threshold can be set freely, when reaching the alarm threshold, it will alarm and remind the staff to pay attention to safety. The main technical parameters are in accordance with national and international standards, it is more powerful in function, portable and power consumption than similar products.

Technical Specifications

Technical Specifications	Technical Parameters
Detector	Energy compensated GM counter tube
Measurement range	The dose rate: 0.01 μ Sv/h ~ 1mSv/h; The cumulative dose: 0.00 μ Sv ~ 999.9Sv
Accuracy	>1.5CPS/ μ Sv/h (Relative to 137Cs)
Energy response	48keV ~ 3.0MeV
Relative error	< 5% (when at 1mSv/h)
Power	2 AAA batteries
Temperature	-10°C ~ +50°C \leq \pm 10%
Humidity	0 ~ 95%RH (+35°C) \leq \pm 10%
Dimensions	70*40*95 (mm) (L*W*H)
Weight	100g (including batteries)

Features

- Real-time measurement of dose rate and simultaneously record the cumulative dose
- The dose rate alarm threshold and the dose alarm thresholds can be set freely
- Any combination of sound, flash and vibration can meet various alarm needs
- A dual alarm functions of the dose rate and dose
- Build-in memory to prevent the value of the cumulative dose, the dose rate alarm threshold and the dose alarm thresholds data from losing when power down
- Continuous monitoring of battery power, with low battery prompt
- Chinese/English menu switch freely
- Humanized design, easy to operate
- Support wireless personal dose management system(wireless version only)

Main Applications

MRT1000 is widely used in the radiation exposure and dose monitoring, it is a protection application accepted by radiation survey and individuals in the presence of ionizing radiation environment, such as radiation processing enterprises, health and epidemic prevention, radiation therapy, nuclear laboratories, nuclear power plants, import and export commodity inspection, building materials, petrochemical industries, geological survey, scrap iron and steel, industrial NDT etc.

Configuration

	NO.	Item	QTY	Remarks
Standard Configuration	1	Main Unit	1	
	2	Battery	2	
	3	User's Manual	1	
	4	Certificate	1	
	5	Warranty	1	
	6	Package	1	