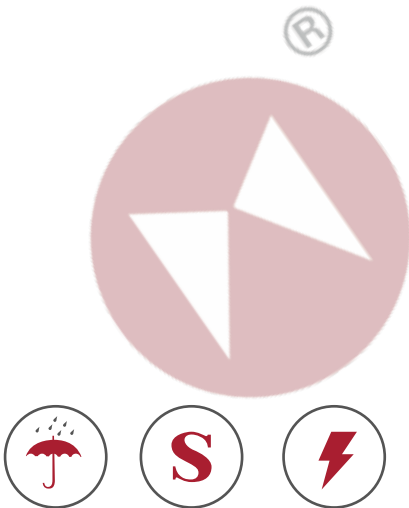


MRT2000

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..

Intelligent x-γ Radiation Detector



Overview

MRT2000 X -γ Radiation Detector chooses high sensitive scintillation crystal as detector, quick reaction ,which is the special instrument of the radiation dose rate used to monitor X-ray and gamma rays of various radioactive workplace.It adopts full color LCD display, and the backlight can be adjusted.Equipped with the function of super-threshold alarm,and its alarm threshold can be setted within the measurement range.The function of timing recording measurement result makes it possible to check the alarm record.Compared with the same kind of instrument, the instrument has wider dose rate measurement range and good characteristic of energy response ,which is widely used in all kinds of applications needed radiation environment and radiation protection test,such as environmental protection, metallurgy, oil,chemical and so on .It's the first choice for X -γ Radiation Detector .

Technical parameters

Technical Specifications

Detector
Sensitivity
Energy Threshold
Measuring Range
Energy Range
Energy response
Relative Deviation
Measuring Time
Display Unit
Power Consumption
Power Supply
Weight
Dimension
Temperature

Technical Parameters

φ30×25mm, Scintillation Crystal; NaI(Tl)
1mSv/h≥350CPS
35Kev
Dose rate:0.01 ~ 200.00Sv/h , Dose : 0 ~ 10Sv
40KeV ~ 3MeV
≤±30% (relative to137Cs)
≤±10%
Manual or automatic
mSv/h、 mGy/h、 CPS、 mSv
≤200mW (Not including the backlight power consumption of display.)
2 pcs of D size battery
1.30Kg (Batteries included)
420*180*88(mm)
-10°C ~ +50°C

Features

- High sensitivity and good characteristic of energy response.
- High-speed low-power microprocessor unit.
- Optional Chinese and English operation operating system, easy to operate.
- Chinese and English interface.
- Color LCD display, backlight brightness is adjustable.
- Dose rate and cumulative dose can be measured.
- Alarm function for superthreshold of dose rate and cumulative dose,user-defined threshold.
- Alarm function for battery low voltage,dose rate overload and detector failure.
- Real-time display of the battery level.
- Query function for alarm record of dose rate and cumulative dose.
- Aluminum alloy shell, which adapts to the field operation.
- Optional door machine interlock function, can be used as access control electronic key
- Optional intelligent networking function, data export function
- Autosave the sampling records.
- Power saving mode, increase the battery life.

Applications Fileds

MRT2000 X-γRadiation Detector is widely used in all kinds of applications needed radiation environment and radiation protection test,such as environmental protection, metallurgy, oil,chemical and so on

Configuration

	No.	Type	Quantity	Remarks
	1	Main unit	1	
Standard Configuration	2	Battery	2	2 AAA batteries
	3	Attached files	1	
	4	Key	1	
	5	Gamma Aluminum Box	1	