

# Life Basis

## Nuclear Radiation Monitor



### Operating Instructions for Nuclear Radiation Monitor

#### Product Description

This product uses the Geiger counter tube to detect the intensity of ionizing radiation (X-rays, γ-rays, β-rays). High sensitivity can be used in a variety of environments, with vibration / sound 2 kinds of alarm mode can be selected; When opening the package, please confirm whether the nuclear radiation detector is intact and whether the accessories are complete; This product has a built-in battery, please charge it for 5 minutes before using it for the first time to avoid battery depletion and failure to turn on due to long time transportation and other reasons.

Package contains:

- 1 x Nuclear Radiation Detector
- 1 x Instruction Manual
- 1 x Type-C Charging Cable
- 1 x Lanyard
- 1 x Bracket

#### Button Description



- ① Left Button  
Left / Up / Decrease
- ② Right Button  
Right / Down / Increase
- ③ Multi-function Button  
Power On / Power Off  
Confirm Selection / Back
- ④ Lanyard Opening
- ⑤ Type-C USB

#### Operating Instructions

##### 1. Turn on/off

In the off state, press and hold the multi-function button to turn on; When the power is on, press and hold the multi-function button to turn off.

##### 2. Power On For The First Time

Press left button/right button to select the language and press multi-function button to confirm; Then press left button/right button to move the selection and press multi-function button to modify the time, finally press OK to enter the detection interface.



##### 3. Monitoring Display

Press the left/right button to switch between the general display and the waveform display, and press the multi-function button to return back the menu.

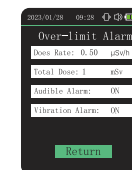


#### 4. Menu Options

Press the left/right button to move the selection, and Press the multi-function button to enter the selection interface.



#### 5. Alarm Settings



Press the left/right button to move the selection, and press the multi-function button to modify the options

- Dose Rate Alarm Threshold
- Total Dose Alarm Threshold
- Audible Alarm On/Off
- Vibration Alarm On/Off

#### Reference data:

《Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards》

Radioactive workers: 20mSv/year (10μSv/hour)

General public personnel: 1mSv/year (0.52μSv/hour)

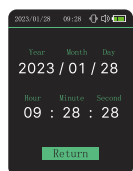
#### 6. Unit Selection



Press the left/right button to move the selection, and press the multi-function button to change the selected unit.

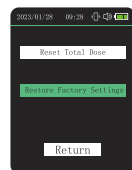
- Sv – mSv/h – μSv/h
- Gy – mGy/h – μGy/h
- mR – mR/h
- CPM

#### 7. Time Settings



Press the left/right button to move the selection, press the multi-function button to modify the option

#### 8. Data Reset Display



Press the left/right button to move the selection, press the multi-function button to change the selection, press the left or right button to confirm or cancel.

- Reset Total Dose  
Reset the total dose and running time to zero, other settings remain unchanged.
- Restore Factory Settings  
Restore factory settings  
All settings are restored to the state when first turn on the device

#### 9. Display Settings



Press the left/right button to move the selection, press the multi-function button to modify the options

- Display Off Time  
Hibernation time can be set, when set to OFF, the screen hibernation function is turned off.
- Screen Brightness
- Language Option

#### Product parameters

Sensor:	Geiger counting tube
Detecting type:	X-rays, γ-rays, β-rays
Dose current rate range:	0 ~ 10000μSv/h (10mSV/h)
Cumulative dose range:	0 ~ 500 mSv
Energy Range:	50keV-3Mevs±30%
Sensitivity:	60CPM/μSv
Product size:	52 x 112 x 19.6mm
Battery capacity:	800mAh
Power supply:	USB Type-C 5V = 1A

#### Caution

- Since the product uses high-precision sensors and components, please keep the product in a dry environment without direct sunlight.
- Do not use the product violently or roughly, prevent dropping, knocking or violently shaking the product, otherwise the product will be damaged or cannot be used normally.
- When the power display is too low, it needs to be recharged in time. When there is a severe power shortage, there will be some abnormal phenomena such as failure to turn on or blurred screen.
- Do not disassemble or replace the components privately, it may cause irreversible damage.
- Please store in a dry place when not in use.

#### Disclaimer

- This manual describes the use method and technical parameters of the product as fully as possible, but the company reserves the right to modify this manual without further notice;
- The appearance of the product in the manual may be slightly different from the actual product due to printing and other reasons, please refer to the actual product;
- This information is for reference only and does not constitute any form of commitment;

#### Waste Electrical and Electronic Equipment (WEEE) Directive

This label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

