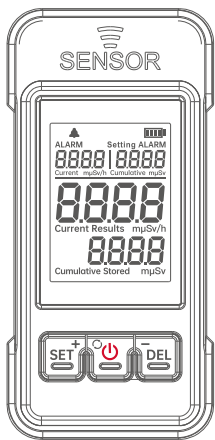


Radiation Detector

NF-603

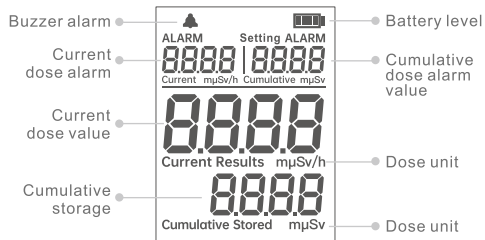


Dear user, thank you for purchasing this product. Please read the Instructions carefully before use.

Overview

NF-603 is a high-range nuclear radiation dose alarm instrument for detecting the γ -ray, X-ray and β -ray. This instrument takes the GM counter as the detector and has the characteristics such as high range and accurate measurement. Compared with the peer products in domestic, it is a wearable pocket-size instrument powerful in functions, small in volume and low in power consumption, and the major technical indexes meet the national and international standards.

The instrument can be widely applied to the scenarios such as home, irradiation processing enterprises, hygiene and disease control, radiotherapy, nuclear laboratories, nuclear power plant, import & export commodity inspection, building materials, petrochemical engineering, geological survey, iron and steel scrap, industrial nondestructive inspection and personal radiation dose control and protection.



Operating Instructions

1. On/Off

Long press "  " to power on/off.

2. Normal test mode

① After powering on, it defaults to start the normal test mode. The two values displayed on the upper interface represent for setting the real-time dose alarm value and accumulated dose alarm value, while the values displayed at the bottom represent for the real-time dose and accumulated storage dose detected in real time. The four dose units are: $\mu\text{Sv/h}$, mSv/h , μSv and mSv .

② In this mode, long press "  " to reset the accumulated storage dose or "  " to start the alarm value setting mode.

③ Alarm prompt:

When the real-time dose value or accumulated storage dose value detected in real time is larger than the alarm threshold, the instrument will send an alarm prompt, an alarm icon will appear on the upper left corner, the buzzer will have "beep, beep" sound until both the values are smaller than the alarm threshold.

3.Alarm value setting mode

In the normal test mode, long press the left key to start the alarm value setting mode; the value/unit is selected when it flashes; short press "  " to increase the value or switch the unit, short press "  " to decrease the value or switch the unit, or short press "  " to switch the selected position.

In this mode, long press "  " to exit the alarm setting mode, save the value/unit automatically and restart the normal test mode.

4.Backlight mode

After powering on, the backlight mode is started automatically.

If there is no operation within 60s, the backlight is turned off automatically; it can be reactivated by pressing any keys.

Functional Parameters

Product model	NF-603
Detected rays	γ-ray, x-ray and β-ray
Detector	Energy-compensating Geiger-Muller counter (GM counter)
Measured dose rate	0.00uSv/h-100mSv/h
Accumulated dose	0.00uSv-500mSv
Sensitivity	80CPM/uSv (for Co-60)
Relative error	<15% (when 1mSv/h)
Dose unit	Free switch of Sv/h, mSv/h, uSv and mSv
Backlight	The backlight is turned off automatically if there is no operation within 60s
Auto OFF	The instrument would be powered off automatically if there is no operation within 30 minutes
Battery	2 *AA batteries
Temperature characteristic	-20°C to +55°C
Product size	124×59×29mm

Packing List

Radiation Detector	1pc	Color box	1pc
Qualification certificate/warranty card	1pc	User Manual	1pc

Remarks: The manual is only for reference. The product will be changed without prior notice. Goods in kind prevail.

NOYAFAR[®] 精明鼠[®] 深圳市诺方舟电子有限公司											
编号	201	202	301	302	303	304	305	比例:	1:1	品号:	304-M1801-0002
类目	塑胶件	五金类	镜片	PVC贴纸	不干胶贴	说明书	包装盒	单位:	mm		
选择						√		设计	CZG	品名:	NF-603说明书折页英文-V1 20240403
306	307	308	309	310	311	312	313	核准			
彩卡	吸塑	工具包	PE袋	纸箱	宣传单	合格证	打印标签	标准:	√	文件类型:	做货文件 (较打样文件, 更新了UI界面)
								定制:			
制作日期		2024.04.03		样式	3折页		印刷材质		128g双铜纸		
印刷要求		单色		页码			变更记录				
尺寸大小		225*120mm		版本	V1						