



PCE INSTRUMENTS PCE-RDM 5 Geiger Muller Counter Instruction Manual

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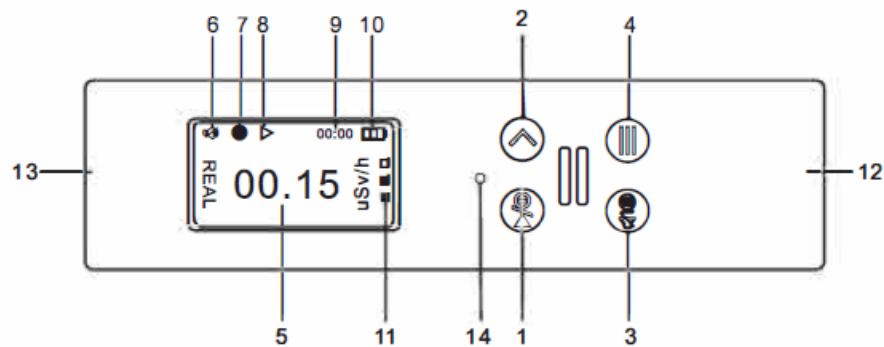
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PCE INSTRUMENTS PCE-RDM 5 Geiger Muller Counter



PCE-RDM 5



Thank you for purchasing this product, please read the instruction manual carefully before using this product.

Button and function description:

1. Shutdown/Pause button/Return to the main interface Press and hold for 2 seconds to shut down/start up. During startup, click to pause or continue real-time detection. Clicking this button on any interface other than the main interface is the function of returning to the main interface.
2. Page-turning button Click to switch three functional interfaces in a loop Real-time data>Maximum+Averag+Total >Histogram
3. Mute/vibration/off screen Click to cycle through the reminder mode: only so und reminder-only vibration reminder-sound and vibration reminder-close all reminders Lang press: off screen Press any button to wake up du ring off screen
4. Set the alarm value Short press to enter the alarm value setting: click once is the maximum value alarm, click again is the total amount alarm. Leng press in these two interfaces to enter the setting, and click the page button to select the alarm value. Short press this button again to saveand exit. When setting the alarm value interface, if there is no operation for 5 seconds or a short press of the 1 button, the current settings will be saved and exited to the main interface.
5. Display
6. sound alarm on/off icon
7. Vibration alarm on/off icon
8. Real-time value pause/resume icon 9.Boot time

9. Battery reminder
10. page navigation bar
11. Charging Type-C port
12. Portable Lanyard 14.Light reminder alarm

Product introduction

Y-M06 is a small high-sensitivity radiation dose alarm, mainly used to monitor X-rays, gamma rays and hard beta rays. The instrument uses an energy-compensated GM countertube as a detector, which has the characteristics of high sensitivity, strong anti-interference ability, and accurate measurement. It adopts a powerful microprocessor and is equipped with a TFT display screen, which makes the operation easier. The product itself has three alarm modes: sound, flash and vibration, and the alarm threshold can be set arbitrarily. When the alarm threshold is reached, an alarm will be issued to remind the staff to pay attention to safety. The main technical indicators of the instrument conform to international standards.

Application

Widely used in harne decoration radiation, irradiation processing enterprises, health and epidemic prevention, radiotherapy, nuclear power plants, import and expert commodity inspection, building materials, petrochemical, geological census, scrap steel, industrial non-destructive testing and other ionizing radiation environment.

Radiation Dose Limits

Dose limits for personnel in the radiation industry:

Average annual effective dose for 5 consecutive years:	20mSv
Effective dose in any year	50mSv
Annual equivalent dose of eye lens	150mSv
Annual equivalent dose for extremities (hands and feet) or skin	500mSv

Dose limits for members of the public:

Average annual effective dose for 5 consecutive years:	1 mSv
Effective dose in any year	5mSv
Annual equivalent dose of eye lens	15mSv
Annual equivalent dose for extremities (hands and feet) or skin	50mSv

Exposure to radiation sources by members of the public, including exposure from authorized sources and practices and exposure received in intervention situations, but excluding occupational exposure, medical exposure and exposure to normal local natural background radiation.


Technical parameters

Detector	48mm Geiger counter tube
Measuring range	Dose rate: 00.08μSv/h ~ 9999μSv/h
Reaction speed	React within 10 seconds and reach stable values in 2 minutes
Refresh frequency	1 second each time
resolution	0.01uSv/h
working environment	-10~50℃; humidity≤95%RH without condensation
battery capacity	400mah

Pay attention

1. This product contains lithium battery, please use standard DC-SV power supply to charge
2. Do not use this product in a high temperature and high humidity environment to avoid inaccurate data or circuit failure
3. Do not use this product in an ultra-high radiation environment to avoid damage to the sensor
4. This product is not waterproof, please do not immerse water droplets or use it underwater
5. This product contains precision electronic components, do not pierce needles or sharp objects into the product

Documents / Resources

	<p>PCE INSTRUMENTS PCE-RDM 5 Geiger Muller Counter [pdf] Instruction Manual PCE-RDM 5 Geiger Muller Counter, PCE-RDM 5, Geiger Muller Counter, Muller Counter, Counter</p>
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References

- [User Manual](#)

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