



## Personal Dosimeter

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| Nuclear Radiation Detector

☰ Details Info

### **Application and characteristic:**

dosimeter an pocket intelligent multifunctional instrument adopting new type single chip is mainly used for monitoring X ray and yray. 1.8"LCD color screen full screening personal dose rate, the cumulative dose, real-time clock, measuring time and alarm threshold and automatic sound-light alarm. The power supply is environmental lithium battery continuously providing power. The main technical parameter meets the national standard and international standard, is widely used in these areas of radiation station, custom, industrial nondestructive inspection, accelerator, nuclear power station, nuclear submarine, radioactive medical treatment, isotope application, medical cobalt treat and monitoring environment around nuclear facilities.

- high sensitivity, response to environment backgroundly
- continuously adjustable alert threshold
- All measurement information is displayed one time on the colour screen
- Low power dissipation, small volume, easy to carry
- Intelligently check choke

- with USB interface, can be used as USB flash disk
- Additional MP3 / 4 playing and photo browsing

**Main Technical Parameter:**

detector	GM counter tube (energy balance).
display	1.8" LCD color screen, full screening personal dose rate, the cumulative dose, real-time clock, measuring time and alarm threshold
measurement range	cumulative dose equivalent: Hp (10) 0.1 $\mu$ Sv~9999mSv dose equivalent rate: Hp (10) 0.1 $\mu$ Sv/h~99.99mSv/h
measurement time	automatically transform or set between 3600seconds and 1 second
Dose equivalent rate response	$\leq \pm 20\%$ (1 $\mu$ Sv/h~99.99 mSv/h)
energy response	$\leq \pm 30\%$ (50KeV~1.3MeV)
relative error	$\leq \pm 20\%$ (137Cs)
alarm	can set alarm threshold of dose rate and accumulated dose in the measurement range type of alarm: a: dose equivalent rate: the trumpet pealing when it is more than the setting value. b: accumulated dose: the trumpet pealing and the display flickering when it is more than the setting threshold value
battery	real-time electric quantity displaying
power dissipation	600mAh rechargeable li-ion battery, no need to change batteries frequently, environmental protection, practical, general USB connecting line charge, can continuously works for above 30 hours
temperature	0°C~+50°C
weight	$\leq 50g$



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