



RD-60 X- γ and β radiometer dosimeter

RD-60 X- γ and β is a portable X, γ and β radiation measuring instrument. Built-in a high sensitive Gamma Beta Geiger-Muller counter. With fast response, wide measuring range characteristics. Using for measuring X-ray, γ and β radiation. It's a multipurpose radiation dose rate measuring instrument.



Purpose for use

- Measurement of Gamma radiation ambient dose equivalent rate;
- Measurement of Gamma radiation ambient dose equivalent;
- Measurement of surface Beta-particles flux density;
- Measurement of ambient dose equivalent accumulation time;
- Real time measurement (clock).

Applications

- Nuclear facilities around environmental radiation detection
- The soil surface radiation pollution detection
- Agricultural radiation pollution detection
- Ore, building materials radioactive detection
- Personal dose monitoring alarm
- Industrial X, Gamma NDT radiation detection
- Radiation medical treatment place radiation detection
- Cobalt source, electronic accelerator irradiation place radiation detection
- Radioactive radiation laboratory detection

Features

- Large area digital LCD display backlight;
- Built-in Gamma, Beta sensitive Geiger-Muller counter;
- Simultaneously dose rate and cumulative dose measurement
- Automatic setting of measurement intervals and ranges;
- The maximum dose rate values keep function
- Automatic setting of measurement intervals and ranges;
- Automatic save dose value.
- Programmable dose rate alarm and cumulative dose alarm threshold
- Programmable voice, light and vibration alarm way
- Battery voltage and low battery indication;
- Automatic failure detection function



Specifications

Measurement ranges	dose equivalent rate (137Cs): 0.01 μ Sv/h~10mSv/h dose equivalent (137Cs): 0.01uSv~9999Sv
Energy ranges	X and Gamma radiation: 40Kev~3.0Mev Beta radiation : 0.5~3.0MeV
Energy dependence	$\leq \pm 25\%$ (relative to 137Cs)
Relative errors	$\leq \pm 10\%$ (in 20uSv/h)
Dose rate and dose alarm threshold value	full range can be adjusted
Protective alarm response time	not more than 3 seconds (in 10 uSv/h)
Display unit	Dose rate : uSv/h,mSv/h,Sv/h automatic conversion Dose : uSv , mSv ,Sv automatic conversion
Battery	One AAA battery
Operating temperature range	-20°C~+50°C
Weight and Dimensions	120g ,125×55×26 mm



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