

-----FJ2000 X-γ Ray Dosimeter



Function

Model FJ2000 X-γ Ray Dosimeter is a kind of intelligent pocket instrument. It adopts the technology of the great-functional new monolithic machine. It is mainly used to monitor the X-ray and the Y-ray to read the individual dosage and the individual dose rate directly. Within the measuring range, can fix or initialize the alarm threshold value. When exceeding the threshold value or being blocked, the instrument will give a sound and flash alarm to warn the operator to pay attention to the safety in time. The main technical measures of the instrument accord with the national and international standards. It is the smaller and lower work consumed carriable pocket instrument among the same kind of products in the present domestic market. It is widely used in the fields of industrial nondestructive examination, nuclear power station, neculaer-powered submarine, application of the isotope, treatment with cobalt in the hospital, etc.

Detector	GM counting tube
Display	4-digit LCD
Measuring Range	Accumulated dose equivalent: Hp(10)0.0 μ Sv-99.99mSv Dose equivalent rate: Hp(10)0.1 μ Sv/h-99.99mSv/h
Measuring Time	<6.0 μ Sv/h 36s; >6 μ Sv/h ≤3.6s
Dose Rate Response	< ± 20% (1 μ Sv/h-99.99mSv/h)
Energy Response	< ± 30% (50KeV-1.3MeV)
Relative Error	< ± 20% (¹³⁷ Cs)
Alarm Function	Within the measuring range, can initialize the alarm threshold value for the dose rate and the accumulated dose. This instrument has a fixed alarm threshold value. When the accumulated dose adds 0.1 μ Sv every time, it will give a sound and a flash. When the accumulated dose ≥50 μ Sv, the sound and flash will last for 5s, at the same time there will show the word of “ALARM”. When the dose equivalent rate ≥25 μ Sv/h, the sound and flash will last for about 6s, and the “ALARM” will appear. When the counting tube is blocked, the alarm will continue and not stop, and the “ALARM” will appear. The intensity of the alarm sound: about 80dB at 30cm away.
Undervoltage Indication	When the voltage of the battery < 2.7 ±0.05V, the undervoltage symbol “LOBAT” will be shown.
Power Consumption	Two AAA1.5V alkali batterries (7 # battery). The power consumption < 2mW, and can be continuously used for 720 hours.
Temperature Characteristic	< ± 10% -10℃ 50℃
Humidity Characteristic	< ± 10% 0.95%RH (-35℃)
Exterior Size	55(W)×92(L)×18(T)
Weight	<75g (Including battery<98g)