# FJ3500 Personal Radiation Dosimeter


**[Product Introduction]**

The FJ3500 personal dosimeter is an intelligent pocket instrument, mainly used to monitor X-rays and γ-rays, and directly read out personal dose and personal dose rate; within the measurement range, the alarm threshold can be fixed or preset, and it will sound when the threshold is exceeded or blocked. Light alarm. The implementation standard is JJG1009-2016 "X, Y radiation personal dose equivalent Hp(10) detector". Have a production license for manufacturing measuring instruments.

**[Performance characteristics]**

◆Small size, light weight, with back clip, easy to carry

◆The instrument has high sensitivity and responds to the background of the environment. Overload block alarm ◆Using a universal battery, low power consumption

◆Strong anti-electromagnetic interference ability

[Performance characteristics]

It is suitable for the protection and personal dose monitoring of workers in radioactive applications such as industrial non-destructive testing, isotope applications, nuclear industry, hospitals, railways, civil aviation, and environmental protection.

**[Technical Index]**

◆Detector: GM counter (compensated)

◆Measuring range: Cumulative dose equivalent: Hp (10) 0.0 μ SV-9999mSv

Dose equivalent rate: Hp( 10) 0.1 μ Sv/h-10mSv/h

◆Relative error: <±15% (1"Cs) (10 μ Sv/h- 10mSv/h) ◆Energy response: 50KeV-1 .3MeV, the error is within ±30%

◆Angle response: Reference "Cs does not exceed the calibration direction when 0° -90

Response soil 30%

◆Alarm function: the alarm threshold can be set continuously, when it is greater than the set alarm threshold

Sound and light alarm, continuous alarm when the counting tube is blocked, the sound intensity of the alarm is greater than 80dB at 30cm

◆Power consumption: one AAA 1.5V alkaline battery (No. 7 battery) environmental background

Under continuous use for 72 hours, power consumption <3mW

◆Dimensions: 50(width) x72(length) x14(thickness)

◆Weight: 60g