



## Gamma radiation detector rays $\beta$ water-hydrogen- hydrogen cool

Model: **APEX-LJ423**

Standard: **GB/T 13161-2003**

Introduce: **★Gamma radiation detector, food lab equipment Features: 1. APEX-LJ423 Gamma radiation detector has overrun alarm to the USB port of high sensitive sens...**

### Detailed product information

★Gamma radiation detector, food lab equipment Features:

1. APEX-LJ423 Gamma radiation detector has overrun alarm to the USB port of high sensitive sensors, 8 seconds response, facilitate rapid detection, quickly found abnormal computer data analysis software
2. It can detect  $\alpha$ , beta,  $\gamma$ , X rays big screen high-definition LCD display.
3. APEX-LJ423 Gamma radiation detector with a correction factor function, the customer can adjust correction parameter;
4. Provide the average time setting function, greatly improved reflect sensitivity.
5. Digital nuclear device accord with human body engineering, resist saturated circuit can avoid electromagnetic interference, have safety calibration function, can avoid the calibration persons of the radiation exposure.
6. The product has a European CE certification standard, ISO9001 quality authentication.

★Gamma radiation detector, food lab equipment Main specification

Measurement-ray range	alpha, beta, gamma, and X-ray
Measuring range	Radiation dose rate: 0.01 $\mu$ Sv/h-1000 $\mu$ Sv/h, 0.001mR/hr-100mR/hr Pulsed dose rate :0-300, 000cpm ,0-5, 000cps The radiation dose accumulated value: 0.001 $\mu$ Sv-999Sv
Sensitivity	3500CPM/mR/hr (of Cs-137)
Sensor	Large GM tube, the effective diameter of 45mm, Mica window density 1.5-2.0mg/cm <sup>2</sup>
Output port	USB computer connection port (dedicated USB cable extension cord optional, and may be extended to 100 m)
Average time	Default of 32 seconds, either manually or automatically adjustable between 2 seconds and 120 seconds
Display	Large-screen digital LCD with bar graph display
Efficiency	Sr-90 (546KeV, 2.3MeV $\beta$ max) about 75%; C-14 156KeV $\beta$ max about 11%; Bi-210 (1.2 MeV $\beta$ max) about 64%; Am-241 (5.5MeV alpha) of about 36%
Anti-saturation	Occasions up to 100 times more than the maximum readings, readings remained at full scale.
Correction	Can adjust the correction factor
Alarm function	Free to set the alarm value, the default settings for 5 $\mu$ Sv/hr
Accuracy	$\pm$ 15%
Storage capabilities	Can store up to 2,000 data manually or automatically stored
Software	Allows the numerical real-time remote transmission to a computer for display, analysis, recording
Detector operating temperature	-40 ° C to 75 ° C.
Weight	450g
Dimension	L 300 mm, W90 mm, H 40 mm
power supply	3 AA batteries, can work continuously for 30 days
Quality Certification	European CE, U.S. FCC15
Quality guarantee period	Host one year