

NT6101 Personal Nuclear Radiation Meter, Radiation Dosimeter

NT6101 x,y radiation meter is specially designed to measure x,y radiation doses or rate in all kinds of radioactive working areas. In comparison with similar meter in China, this meter has a wider measuring range of dose rate. It has been widely used in hygiene department, environmental protection, metallurgy, petroleum, chemical industry, radioactive laboratories, commodity inspection and etc.

Feature

- High sensitivity, wide measuring range, good energy response
- High-speed low power consumption microprocessor
- Digital and gauge double display
- Chinese interface display
- LCD digital display
- 800 group data can be saved
- Dose rate and total doses can be measured
- Alarm function (alarm function /choke/Detector failure)
- Battery Indicator
- Solid stainless steel shell

Technical data

- Detector: $\phi 30 \times 25$ mm, NaI
- Sensitivity: $1 \mu\text{Sv/h} \geq 350 \text{ CPS}$
- Energy threshold value: 35 Kev
- Measuring range:
 - Dose rate: $0.01 \sim 500.00 \mu\text{Sv/h}$
 - Accumulative dose: $0.00 \mu\text{Sv} \sim 99999 \mu\text{Sv}$
- Energy range: 40 Kev \sim 3 Mev
- Energy response: $\leq \pm 30\%$ (relative to ^{137}Cs)
- Relative error: $\leq \pm 10\%$
- Measurement time: 1 \sim 120 adjustable
- Alarm threshold: 0.25, 2.5, 10, 20, 60 ($\mu\text{Sv/h}$)

Display:

- Dose rate : $\mu\text{Sv/h}$, $\mu\text{Gy/h}$, $\mu\text{R/h}$ (selectable)
- Accumulative dose: μSv
- Counting rate: CPS
- Power source: 1# battery (Two batteries)
- Power: $\leq 120 \text{ mW}$ (not contains backlighting power consumption)
- Weight: 1.80 Kg (contain battery)
- Size 42 \times 23 \times 15 (cm)