

NT6102 Portable radiation measuring instrument. Personal Nuclear Radiation Meter, radiation dosimeter

Purpose of use

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1. Measurement of personal gamma and X-ray radiation equivalent dose rate (EDR)
2. Measurement of personal gamma and X-ray radiation equivalent dose (ED)
3. Alarm of exceeded programmed threshold levels

Applications

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1. Nuclear facilities around environmental radiation detection
2. The soil surface radiation pollution detection
3. Agricultural radiation pollution detection
4. Ore, building materials radioactive detection
5. Personal dose monitoring alarm
6. Industrial X, gamma NDT radiation detection
7. Radiation medical treatment place radiation detection
8. Cobalt source, electronic accelerator irradiation place radiation detection
9. Radioactive radiation laboratory detection

Specification

1. Types of measured Ray: X, γ and hard- β rays
2. Measurement range:
3. Radiation equivalent dose rate (EDR): 0.01 $\mu\text{Sv/h}$ - 10000 $\mu\text{Sv/h}$
4. Radiation equivalent dose (ED): 0.00 μSv - 9999 Sv
5. Energy ranges of measurement: 40 KeV - 3.0 MeV
6. Relative errors of energy dependence (^{137}Cs): $\leq \pm 25\%$
7. Basic relative errors: $\leq \pm 15\%$
8. Adjustable range of alarm threshold level relative to radiation dose rate: adjustable within the range
9. Response time of alarm: ≤ 5 seconds
10. Display unit: EDR : ($\mu\text{Sv/h}$ □ mSv/h □ Sv/h) Count Rate: cpm ED: (μSv □ mSv □ Sv)
11. Power: one AAA battery