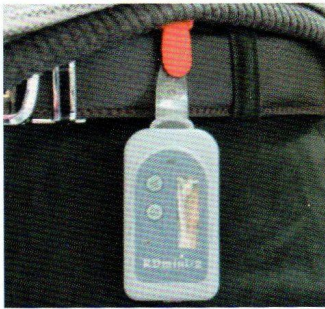


Pocket Personal Dosimeter HRD-II

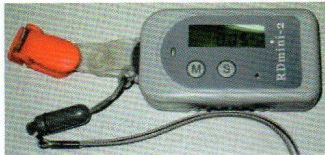


Features

- Small type, wide measure range, display and storage dose rate and cumulative dose measurement.
- Preset 3 grade dose rate and 1 grade cumulative dose alarm threshold, will remind if dose increase.
- Built-in Chargeable Li battery, easy to use.

Function

- This personal dosimeter mainly detect the personal cumulative dose equivalent HP(10) and personal dose equivalent rate Hp(10) which occurred by X、 γ radiation, this dosimeter with LCD display.
- Dose and dose rate can switch by mode button, Preset 3 grade dose rate and 1 grade cumulative dose alarm threshold, it will alarm with light and sound and LCD display when the value exceed threshold value.
- The data can be stored automatically during detection, the storage data can be read during standby mode and will not loss even if power failure, this dosimeter have the function that ca prompt when dose increase, it is prompt by sound and light, built-in chargeable Li battery, easy to use, suitable for professional radioactive workers and general person using, provide the detection safety protection warning timely.



Main parameter

detector	Semiconductor detector
Detect range	Dose rate: 1Sv/h1Sv/h; Cumulative dose: 0.01Sv10Sv
Alarm threshold	Dose rate threshold: ①0.5Sv/h, ②2.5Sv/h, ③10 Sv /h; Cumulative dose threshold: ① 1mSv; Dose increase prompt value: 1Sv Above value also can be set according to customer.
Alarm settings	Dose rate threshold, Cumulative dose threshold, Dose increase prompt, low power, and detector failure alarm.
Alarm way	Alarm with beeper, LED, LCD display. Alarm with different grade beeper and LED for different grade dose rate threshold value, also display the corresponding dose rate value. Alarm sound intensity above 75dB when the distance is 30cm between the place to dosimeter.
Data storage	Storage the cumulative dose value and the maximum dose rate value, include the relative time when it occur maximum dose rate value, data will not loss if power failure, can be read when standby mode. Data will be zero if restart the dosimeter, The values which can be read during standby mode are: Cumulative dose value, Cumulative dose time, maximum dose rate value, relative time when it occur maximum dose rate value, machine number, etc.
Energy response	$\leq \pm 30\%$ (50keV1.5MeV)
Dose response linear	$\leq \pm 20\%$ (0.1Sv/h1Sv/h)
Relative intrinsic error	$\leq \pm 10\%$ (1.5mSv/h)
Overload characteristics	Above 10Sv/h
Power	Built-in 3.6V chargeable battery, first working time >400hours; charging time: <math>< 4\text{ h}</math>
Temperature	$\leq \pm 15\%$, -10 $^{\circ}$ C+40 $^{\circ}$ C
Humidity	$\leq \pm 10\%$, 40%-90%RH(35 $^{\circ}$ C)
Size/ weight	70mm \times 38mm \times 16mm / about 36g
Optional accessory	Charging adapter (AC220V/50Hz or AC110V/60Hz)