IAD-I

RAYDOSE®

USB

2023/04/07 12:00

REAL **0.80** µSv/h
DOSE: 0.08 µSv

Remaining Battery Charge

Real-Time Counting

Dose Rate

Cumulative Dose

Device Status

☢	Normal Operation
ⓘ	Exceed Set Threshold
☀	Over Range(≥10mSv/h)

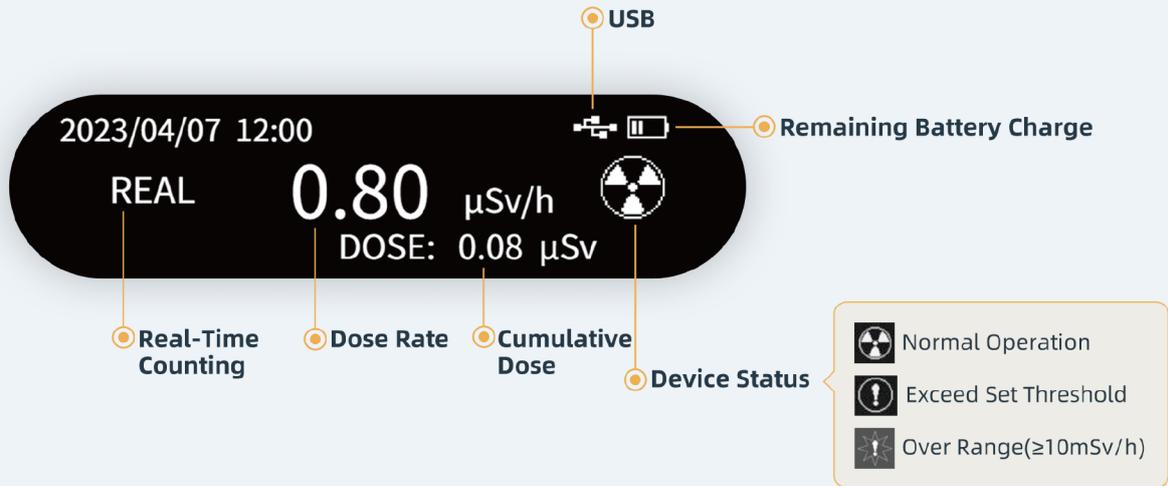## Detector Type
Geiger-Muller Tube.

Dimensions (With Clip)
130mm×23mm×19mm(LxWxH)

Measurement Range
Dose Rate: 0.10 µSv/h - 10.00 mSv/h
Cumulative Dose: 0.00 µSv-99.99 Sv

Auto Counting and Date Storage
Can store up to 150 sets of data.

Maximum Standby Time
240 hours

Automatic Measurement
Automatic measurement of dose equivalent and dose equivalent rate, with real-time display of dose rate,cumulative dose for the day and total cumulative dose.

Audio Alarm
If the cumulative dose/dose rate exceeds the set threshold, the IAD-I will sound an alarm.

Timing Mode
IAD-I can measure the cumulative dose within a set period of time, with a maximum continuous measurement duration of 99.9 hours.

Otger settings
Can set date and screen rest time.

Dose limits for different user groups

Dose limits for radiation industry personnel	
Continuous 5-year average annual effective dose	20mSv
Effective dose for any single year	50mSv

Dose limits for public members	
Annual effective dose	1mSv
If the 5-year average annual effective dose does not exceed 1 mSv, then the annual effective dose for any single year can be 5 mSv.	5mSv

Source: "Basic Standards for Ionizing Radiation Protection and Radiation Source Safety (GB18871-2002)"

Radiation sources and doses present in daily environments

Type	Dose levels
Cosmic radiation	0.4mSv/year
Watching TV for 2 hours per day	0.01mSv/year
Smoking 20 cigarettes per day	0.5-1.0mSv/year
Wearing a luminous watch	0.02mSv/year
One chest X-ray examination	0.1mSv
Taking a flight of 2000km	0.01 mSv

Source: China Society of Radiation Protection

For medical physicists

IAD-I is your right assistant for monitoring dose value at any time. Once the dose value exceeds the set threshold, it will immediately trigger an audible and visual alarm. When you enter an unfamiliar accelerator room or approach individuals/objects that may have radiation sources, you can switch the IAD-I to timing mode to record the cumulative dose in a short period of time. Furthermore, you can also regularly utilize IAD-I for cumulative dose statistics, data analysis, and formulation of self-protection measures.

For the general public

IAD-I can not only help identify radiation dose levels in the environment, but can also be used in a wide range of scenarios, such as oil fields, mines, chemical plants, nuclear power plants, and laboratories. Whether you are a worker in a radiation environment, a pregnant woman, or a homeowner who has just finished renovating, you can benefit from it. In addition to these specific groups, IAD-I also has daily functions, including detecting radiation contamination in food and items, and monitoring radiation dose values in the environment in real time to ensure your safety and health.