

RAD-EASE DETECTOR

OWNER'S MANUAL

维斯RAD-EASE DETECTOR

操作说明书

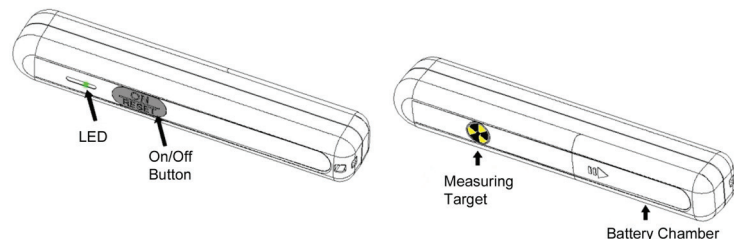
ABOUT RAD-EASE

The product is Geiger Miller counter which effectively detect Gamma and X-rays. It gives immediate visual signal to reflect the Nuclear Radiation situation. This is a quick reference advice about risk level. Applications are quick checking in general environment, materials' natural Radiation, contamination on food or Lab area.

IMPORTANT SAFETY INSTRUCTION

- Reading all instruction before operating the RAD-EASE DETECTOR
- Any malfunction of unit, DO NOT attempt to open up the RAD-EASE DETECTOR. Circuit inside carries very high voltage. It will cause the risk of electric shock
- DO NOT expose to the rain, near water or other damp location
- DO NOT use in a flammable and explosive environment
- While using the product, DO NOT expose yourself in a potential nuclear radiation contaminated environment without appropriate protection.

GETTING TO KNOW YOUR PRODUCT



TO USE YOUR RAD-EASE DETECTOR

1. Place a battery of AAA (#7) in the battery chamber with correct polarities.
2. Place the unit with the mark against the targeted object.
3. Press the BUTTON for 1 sec to turn On the unit. LED is then lit up Green and Red in turn to start measuring process.
4. Keep the unit on the targeted object for whole sampling measurement. Preliminary result will be provided after 10s by blinking color of LED. Final average result will be provided in a minute by solid color of LED. (Refer to Table. 1)
5. To measure other object, place RAD-EASE on other targeted object. Short press the button to restart the process.
6. Press the button for 2sec to turn RAD-EASE off. When unit is idled for more than 3 min, it will be turned off automatically.
7. When the LED of final result blinks instead of solid ON, battery voltage level is low.

LED	SIGNIFICANCE
OFF	The product is "OFF"
GREEN/RED IN TURN	Start up measuring
GREEN BLINKS TWICE A SEC	Halfway data : Low Risk of nuclear radiation
AMBER BLINKS TWICE A SEC	Halfway data : Potential Risk of nuclear radiation
RED BLINKS TWICE A SEC	Halfway data : High Risk of nuclear radiation
GREEN STAYS "ON"	Final result : Low Risk of nuclear radiation
Amber STAYS "ON"	Final result : Potential Risk of nuclear radiation
RED STAYS "ON"	Final result : High Risk of nuclear radiation

Fig. 1

SPECIFICATION

Dimensions : 137mm x 22mm x 24mm
Types of detection rays : γ Gamma or X-rays
Power supply : AAA(#7) Alkaline battery

FREQUENTLY ASK QUESTION

How to interpret the signal of the detector ?

Here are reference
Green LED - Red LED - The measured value's annual dosage larger than single procedure of Head CT.
Amber LED - range between Green and RED.

What to do if LED goes non-Green ?

Naturally occurring radioactivity is actually present in the environment. Potential damage caused by low levels of radioactivity may be repaired by normal body metabolic processes. An adult can stand for the situation of status at "Amber" LED without serious health effects. It highly recommends to stay away from the area or materials when the detector is showing "RED".

Why does the detector sometimes show green and sometimes Amber ?

The nuclear radiation ionizing is NOT a regular action. It is better to measure more frequently if want to have precise understanding of the environment.

Can I reduce the level of radionuclide in food through food preparation?

Possible residual surface radioactive contamination on food may be reduced by suitable food preparation such as washing, brushing, scrubbing, or peeling. On the contrary, cooking in general cannot reduce the level of radioactive contamination in food.

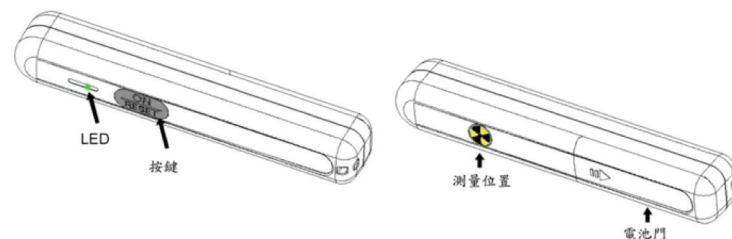
关于 维斯RAD-EASE

该产品为盖革米勒计数器，可有效检测伽马射线和X射线。它提供即时的视觉信号来反映核辐射情况。这是有关风险级别的快速参考建议。应用范围包括一般环境、材料自然辐射、食品或实验室区域污染的快速检查。

重要安全说明

- 在操作 维斯RAD-EASE DETECTOR 之前阅读所有指令
- 设备发生任何故障时，请勿尝试打开 维斯 RAD-EASE 探测器。内部电路带有非常高的电压。否则会引起触电危险。
- 请勿暴露在雨中、靠近水或其他潮湿的地方
- 请勿在易燃易爆环境中使用
- 使用本产品时，在没有适当保护的情况下，请勿将自己暴露在可能受到核辐射污染的环境中。

了解您的产品



使用 维斯RAD-EASE 探测器

- 1) 将一节 AAA (#7) 电池按正确极性放入电池室中。
- 2) 将带有标记 的位置靠在目标物体上。
- 3) 按住按钮 1 秒打开设备。然后 LED 呈绿色和红色亮交换闪烁，开始测量过程。
- 4) 将装置保持在目标物体上进行全程采样测量。10 秒后显示LED 闪烁颜色提供初步结果。最终平均结果将在一分钟内通过 LED 最后亮灯颜色所表示。(见表1)
- 5) 要测量其他物体，请将 维斯RAD-EASE 放在其他目标物体上。短按按钮即可重新启动该过程。
- 6) 按住按钮 2 秒关闭 维斯RAD-EASE。当机器闲置超过3分钟时，它将自动关闭。
- 7) 当最终结果的LED 闪烁而不是常亮时，表明电池电压较低。

LED 信号	意义
LED熄	产品已关闭
依次绿色/红色闪亮	开始测量
绿灯1秒闪烁2次	中途数据：核辐射风险低
琥珀色1秒闪烁2次	中途数据：核辐射潜在风险
红色1秒闪烁2次	中途数据：核辐射风险高
绿色长亮	最终结果：核辐射风险低
琥珀色长亮	最终结果：核辐射潜在风险
红色长亮	最终结果：核辐射高风险

表 1

规格

尺寸：137mm x 22mm x 24mm
检测射线种类：X、 γ 射线
电源：AAA(#7)碱性电池

常见问题

如何解读探测器的信号？

这里有参考
绿色 LED - 红色 LED - 测量值的年剂量大于单次头部CT
琥珀色 LED - 范围介于绿色和红色之间

如果 LED 变成非绿色怎么办？

自然产生的放射性实际上存在于环境中。低水平放射性造成的潜在损害可以通过正常的身体代谢过程修复。成年人可以忍受“琥珀色”LED 状态的情况，而不会造成严重的健康影响。当探测器显示“红色”时，强烈建议远离该区域或材料。

为什么探测器有时显示绿色，有时显示琥珀色？

核辐射电离不是常规行为。如果想要准确了解环境，最好更频繁地测量。

我可以通过食物制备来降低食物中的放射性核素含量吗？

通过适当的食品制备，例如清洗、刷洗、擦洗或去皮，可以减少食品上可能残留的表面放射性污染。相反，一般烹饪并不能降低食物中的放射性污染水平。

Website 网站：www.rad-ease.com

Please scan this QR code to browse the product website
请扫描此二维码，浏览产品网站

