

RMX-SCORPION R

The RMX-SCORPION R is a highly sensitive device used to detect surface contamination in industries such as nuclear medicine, environmental monitoring, nuclear waste and nuclear decommissioning. The device has two measurement modes and three measurement unit options and has the option to add gamma (γ) detection.

- Detects alpha (α), beta (β), gamma (γ)
- Measures α, β or $\alpha + \beta$ simultaneously
- Total count and net-count modes for background deduction
- USB or wireless (WiFi) data transmission
- Adjustable audible and light alarms
- Over 10,000 datasets can be stored



Specification

Detector	ZnS (Ag) and plastic scintillator
Radiation Detected	Alpha (α), Beta (β), optional Gamma(γ)
Detector Area	170cm ²
Displayed Units	Cps, Bq, Bq/cm ²
Detection Range	α : 0-10,000cps β : 0-50,000cps γ : 0.10 μ Sv/h- 5,000 μ Sv/h
Background Counting Rate	α : \leq 0.1cps β : \leq 15cps (environmental γ background \leq 0.20 μ Sv/h)
Detection Efficiency (with protection grid 2 π)	α : ²³⁹ Pu \geq 35% β : ⁹⁰ Sr- ⁹⁰ Y \geq 45%
Temperature	10-40°C \leq 90% humidity
Power Supply	18650 rechargeable batteries
Battery Life	Up to 24 hours
Dimensions (H x W x D)	215 x 130 x 128 mm
Weight	1.6kg