



RAM-R 200 probes®



External probes

- a complete range of smart probes to enhance the detection capabilities of the RAM-R 200

The different probes include:

- RG-10 for alpha, beta, gamma contamination
- RG-12 for beta and gamma contamination
- RG-40 for high-range gamma fields
- PA-100/M for alpha contamination

These probes have been specifically designed to fulfill both the civil defense and military applications requirements.



*Detector RG-10
α, β, γ contamination detector*

Detector RG-10

- range: 0 – 1.00 Mcpm
- window: 1.5 - 2.0 mg/cm²
- effective area: 15.5 cm² (2.4 in²)
- sensitivity: 3500 cpm/mR/h (¹³⁷Cs) 500 cpm/Bq/cm² (⁹⁰Sr⁹⁰Y)
- geiger: NRC 2006
- accuracy: ±10% of reading
- temperature range: -30°C to +60°C (-22°F to +140°F)
- weight: 310 g (0.7lb)
- diameter: 62 mm (2.4 in)
- length: 181 mm (7.1 in)

Detector RG-12

- range: 0 – 1.00 Mcpm
- window: 1.5 - 2.0 mg/cm²
- effective area: 6.4 cm² (0.99 in²)
- sensitivity: 1500 cpm/mR/h (⁶⁰CO) 120 cpm/Bq/cm² (⁹⁰Sr⁹⁰Y)
- geiger: LND 7231
- accuracy: ±10% of reading
- temperature range: -30°C to +60°C (-22°F to +140°F)
- weight: 280 g (0.6 lb)
- diameter: 40 mm (1.6 in)
- length: 155 mm (6.1 in)



*Detector RG- 12
β, γ contamination detector*



*Detector RG- 40
High range g radiation detector*

Detector RG-40

- range: 0.1 R/h – 10 000 R/h
- energy range: 60 KeV to 2.0 MeV
- sensitivity: 77 cps/R/h
- geiger: 4G60M
- accuracy: ±10% of reading
- temperature range: -30°C to +60°C (-22°F to +140°F)
- weight: 130 g (0.3 lb)
- diameter: 30 mm (1.2 in)
- length: 145 mm (5.7 in)

Detector PA-100/M

- type: air proportional
- window thickness: 0.85 mg/cm² aluminized window
- effective area: 100 cm² (15.5 in²)
- probe efficiency 2π: 18% (related to ²⁴¹Am)
- surface sensitivity: 530 cpm/Bq/cm² compensated in the meter to 100% to be 3000 cpm/Bq/cm²
- range: 0 to 1.0 Mcpm
- accuracy: ±15% of reading (related to ²⁴¹Am)
- temperature range: -10°C to +50°C (-22°F to +122°F)
- weight: 1 kg (2.2 lbs)
- diameter: 75 mm (3 in)
- length: 240 mm (9.5 in)



*Detector PA-100/M
α contamination detector*

ⓑ Exclusively sold in North and South America