ROTEM

# RG-12 Detector

## Small pancake GM probe for alpha, beta, gamma and X-ray contamination, for the RAM R-200

Probe with a pancake GM tube for detecting alpha, beta, gamma and X-ray radiation, smaller than the RG-10. Together with the RAM R-200 it gives efficient surface contamination detection. The probe communicates via RS-232 and can be connected directly to a PC for calibration or download.



| Detector | Measurement range | Weight |
|---|---|---|
| **GM tube LND 7231** [1] | **0–1.00 Mcpm** [1] | **280 g (0.6 lb)** [1] |

## Specifications

### DETECTOR

| | | |
|---|---|---|
| Detector | GM tube LND 7231 | [1] |
| Window | 1.5–2.0 mg/cm² | [1] |
| Effective area | 6.4 cm² | [1] |

### PERFORMANCE

| | | |
|---|---|---|
| Accuracy | ±10% of reading | [1] |

### MEASURING RANGE

| | | |
|---|---|---|
| Measurement range | 0–1.00 Mcpm | [1] |
| Sensitivity | 1,500 cpm per mR/h ($^{60}$Co); 120 cpm per Bq/cm² ($^{90}$Sr/$^{90}$Y); 51 cpm per Bq/cm² ($^{239}$Pu) | [2] |

### CONNECTIVITY & INTERFACE

| | | |
|---|---|---|
| Communication | RS-232; can be connected directly to a PC for calibration and download | [1] |

### MECHANICAL

| | | |
|---|---|---|
| Dimensions | ø40 × 155 mm | [1] |
| Weight | 280 g (0.6 lb) | [1] |

### ENVIRONMENT & RATINGS

| | | |
|---|---|---|
| perating temperature | −30 to +60 °C | [2] |
| IP rating | IP64 (splash-proof aluminium casing) | [2] |

## Sources

[1] **RG-12 Detector**
Rotem Industries · product-page · Product page – Technical Information; Product page – Product Specifications · checked 2026-10-16
https://rotem-radiation.co.il/solution/rg-12-detector/

**[2] RAM R-200 technical data sheet**
Rotem Industries · datasheet · RAM R-200 TDS p. 3, External Detectors – RG-12 · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2026/01/RAM-R-200-TDS-10112025.pdf

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.