ROTEM

RP-11 Detector

Highly sensitive NaI(Tl) gamma probe for the RAM R-200 or stand-alone

Gamma scintillation probe with a hermetically sealed 2 × 2 inch NaI(Tl) crystal and photomultiplier in a rugged, splash-proof housing. It is used with the RAM R-200 or RAM DA-2000, or stand-alone, and is set up by software via RS-232.



Detector	Energy range	Count-rate range
NaI(Tl), 2 × 2 in, he rmetically sealed, with a 2-i nch photomultiplier [1]	**Gamma above 50 keV** [1]	**0–50,000 cps** [1]

Specifications

DETECTOR

Detector	NaI(Tl), 2 × 2 in, hermetically sealed, with a 2-inch photomultiplier	[1]

MEASURING RANGE

Energy range	Gamma above 50 keV	[1]
Count-rate range	0–50,000 cps	[1]
Sensitivity	20,000 cps per mR/h (^{137}Cs)	[1]

ELECTRONICS & SIGNAL

Signal outputs	RS-232 or RS-485 and TTL pulses	[1]

MECHANICAL

Dimensions	340 × ø70 mm	[1]
Weight	1.75 kg	[1]

ENVIRONMENT & RATINGS

perating temperature	–30 to +60 °C	[1]

GENERAL

Compatible meters	RAM R-200 or RAM DA-2000; also stand-alone	[1]

Sources

[1] **RP-11 Detector data sheet**
Rotem Industries · datasheet · TDS; Specifications – Weight · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2026/01/RP-11-Detector-23012025.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.