ROTEM

RAM R-200 Meter

Rugged multipurpose survey meter for wide-range gamma and contamination

Portable, rugged multipurpose survey meter for wide-range gamma fields and contamination. Two internal energy-compensated GM tubes measure dose rate and dose, and with external probes it measures gamma up to 100 Sv/h and alpha/beta contamination up to 1 Mcpm. The meter with its internal detectors is waterproof to a depth of 1 metre, and the detector response complies with H*(10).



Detector	Measurement range	Weight
Two energy-compensated GM tubes: ZP-1202 and ZP1314 (or equivalent) [1]	**Internal detectors: 0.1 µSv/h – 1 Sv/h (10 µR/h – 100 R/h); with external probes gamma up to 100 Sv/h and alpha/beta 0–1 Mcpm** [1]	**460 g including battery** [1]

Specifications

DETECTOR

Detector	Two energy-compensated GM tubes: ZP-1202 and ZP1314 (or equivalent)	[1]
Compatible external detectors	RG-10 and RG-12 (α/β/γ contamination), RG-40 (high-range γ), PA-100M (alpha contamination), RP-11 (highly sensitive γ)	[2]

PERFORMANCE

Accuracy	±10% of reading within the measuring range	[1]

MEASURING RANGE

Measurement range	Internal detectors: 0.1 µSv/h – 1 Sv/h (10 µR/h – 100 R/h); with external probes gamma up to 100 Sv/h and alpha/beta 0–1 Mcpm	[1]
Energy response	±35% from 60 to 2,000 keV	[1]
Sensitivity	17 cps per mR/h (ZP1201); 1.4 cps per mR/h (ZP1313)	[1]

CONNECTIVITY & INTERFACE

Display	DigiLog: 3 digits and a 2-decade analogue bar graph	[1]
Data storage	1,000 data records	[1]
Communication	Built-in RS-232, three channels	[1]

POWER & BATTERY

Power supply	One 9 V alkaline battery, 100 hours of continuous operation	[1]

MECHANICAL

Dimensions	Length 134 mm, breadth 80 mm, width 35 mm	[1]

Weight	460 g including battery	[1]

ENVIRONMENT & RATINGS

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

ORDERING & ACCESSORIES

Ordering code	BAK-2070 (meter)	[1]

GENERAL

Standards met	MIL-STD 810, MIL-STD 461, ICRP60, ICRU39 and CEI 846	[1]

Sources

[1] RAM R-200 technical data sheet
Rotem Industries · datasheet · TDS p. 2, Internal Detector; TDS p. 1 and p. 2, Internal Detector; TDS p. 2 · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2026/01/RAM-R-200-TDS-10112025.pdf

[2] RAM R-200 Meter
Rotem Industries · product-page · Product page – Product Specifications · checked 2026-10-16
https://rotem-radiation.co.il/solution/ram-r-200-meter/

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.