ROTEM

RAM DA3-2000 Meter

Smart meter for a range of interchangeable external detectors, with internal GM detector

“Smart” meter that recognises a wide range of external detectors and selects the right readout units automatically, for area survey, contamination monitoring, preset scaling and high-dose freeze reading. RAM DA3-2000 has an internal detector with two energy-compensated GM tubes for wide-range gamma; RAM DA 2000 has no internal detector. Data are stored with date and time and downloaded to a PC.



Detector

Internal detector (DA3-2000): two energy-compensated GM tubes, ZP1201 and ZP1313 (air k erma) or ZP1202 and ZP1314 (H*(10)); DA 2000 without i nternal detector [1]

Measurement range

.5 µSv/h – 1 Sv/h (50 µR/h – 100 R/h), internal detector [1]

Weight

.5 kg including batteries and internal detectors [1]

Specifications

DETECTOR

Detector	Internal detector (DA3-2000): two energy-compensated GM tubes, ZP1201 and ZP1313 (air kerma) or ZP1202 and ZP1314 (H*(10)); DA 2000 without internal detector	[1]
Compatible external detectors	GM-40, GM-41 and GM-42 (gamma), GM-10 (β, γ, X-ray), PA-100 (alpha), IC-10 (β, γ), PM-10 (low-energy γ), PM-11 (γ); identified automatically	[2]

PERFORMANCE

Accuracy	±10% of reading	[2]

MEASURING RANGE

Measurement range	0.5 µSv/h – 1 Sv/h (50 µR/h – 100 R/h), internal detector	[1]
Energy response	±30% over 50 keV–1.3 MeV; ±20% over 60 keV–1.3 MeV	[2]
Angular dependence	Less than ±20% within ±45° of the preferred direction	[2]

ELECTRONICS & SIGNAL

Relay outputs	Two alarm relay contacts for an external interface	[1]

CONNECTIVITY & INTERFACE

Display range	0.01 µSv/h – 1 Sv/h (1 µR/h – 100 R/h)	[2]
Data storage	Data with date and time in built-in memory; download with RMV (Rotem Meter View) software	[1]

POWER & BATTERY

Power supply	Three 1.5 V C cells: at least 150 h continuous operation with alkaline batteries and the internal detector (display lighting off), 100 h with external detectors; option: rechargeable C cells with charger or external 4.5 V DC adapter	[1]

MECHANICAL

Dimensions (L × W × H)	244 × 142 × 115 mm	[1]
Weight	1.5 kg including batteries and internal detectors	[1]

ENVIRONMENT & RATINGS

perating temperature	−10 to +50 °C	[1]

ORDERING & ACCESSORIES

Ordering code	BAK-1640 (RAM DA 2000), BAK-1670 (RAM DA 3-2000, µSv/h), BAK-1660 (RAM DA 3-2000, mR/h)	[1]

Sources

[1] RAM DA 2000 technical data sheet
Rotem Industries · datasheet · TDS p. 1; TDS; TDS, Ordering Info · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2025/11/RAM-DA-2000-23112025.pdf

[2] RAM DA3-2000 Meter
Rotem Industries · product-page · Product page – Technical Information; Product page – Product Specifications · checked 2026-10-16
https://rotem-radiation.co.il/solution/ram-da-2000-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.