ROTEM

PA-100 Detector

Air proportional alpha detector with a 100 cm² sensitive area

Alpha detector with an efficient air proportional sensor and electronic circuits. It is powered by a MediSmarts monitoring channel or a RAM DA 2000 monitor and outputs a count rate.



Detector
Air proportional alpha detector [1]

Weight
1 kg [1]

Specifications

DETECTOR

Detector	Air proportional alpha detector	[1]
Effective area	100 cm² (15.5 sq in)	[1]
Window	0.85 mg/cm², aluminised	[1]

PERFORMANCE

Detection efficiency	18% (2π, ^{241}Am)	[1]
Accuracy	±15% of reading (^{241}Am)	[1]

MEASURING RANGE

Sensitivity	530 cpm per Bq/cm² (surface)	[1]

MECHANICAL

Dimensions (L × W × H)	240 × 75 × 55 mm	[1]
Weight	1 kg	[1]

ENVIRONMENT & RATINGS

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

Sources

[1] **PA-100 Detector data sheet**
Rotem Industries · datasheet · TDS; Specifications – Dimensions; Specifications – Weight · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2026/01/PA-100-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.