ROTEM

GM-40 Detector

GM gamma detector for very high fields, 250 µSv/h – 10 Sv/h

Gamma detector in the GM-40 series for Rotem's meters and monitors, for very high gamma fields. Each detector contains the GM tube, high-voltage supply, pulse shaper, GM saturation indicator, detector identifier and malfunction detection, and connects via a low-voltage interface, which minimises noise and improves sensitivity and stability.



Detector
GM tube ZP1301 [1]

Measurement range
250 µSv/h – 10 Sv/h (25 mR/h – 1,000 R/h) [1]

Energy range
50 keV – 1.3 MeV [1]

Specifications

Detector	GM tube ZP1301	[1]
Measurement range	250 µSv/h – 10 Sv/h (25 mR/h – 1,000 R/h)	[1]
Sensitivity	0.3 cps per mR/h	[1]
Accuracy	±15% of reading within the measuring range	[1]
Energy range	50 keV – 1.3 MeV	[1]
Dimensions	170 × ø38 mm	[1]
Weight	220 g (0.48 lb)	[1]
Ordering code	BAK-1180	[1]

Sources

[1] **GM-40 Gamma Detector data sheet**
Rotem Industries · datasheet · TDS, GM-40 series table; TDS; TDS, GM-40 series table, column GM-40 · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2025/12/GM-40_Detector_09122025.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.