ROTEM

PM-10 Detector

Thin NaI(Tl) probe for low-energy gamma and X-rays, optimised for I-125

Scintillation probe for low-energy gamma and X-rays with a thin NaI(Tl) crystal, available optimised for I-125 and other low-energy gamma emitters. It connects to the RAM DA-2000 or to the DRM-3000 and DPU-3 area monitors in WebiSmarts, where it can serve as an effluent detector for I-125.



Detector
NaI(Tl), 2 in diameter × 0.04 in ; 1 mil (0.001 in) aluminium win dow [1]

Energy range
Low-energy gamma, 10–80 keV [1]

Count-rate range
0–50,000 cps [1]

Specifications

Detector	NaI(Tl), 2 in diameter × 0.04 in; 1 mil (0.001 in) aluminium window	[1]
Energy range	Low-energy gamma, 10–80 keV	[1]
Functions	SCA within the energy range (±5 keV minimum)	[1]
Count-rate range	0–50,000 cps	[1]
Sensitivity	Minimum detectable level 0.35 Bq/cm² for I-125	[1]
perating temperature	–10 to +50 °C	[1]
Dimensions	290 mm long, 70 mm wide	[1]
Weight	1.25 kg	[1]

Sources

[1] **PM-10 Detector data sheet**
Rotem Industries · datasheet · TDS, Technical Data; TDS; Specifications – Dimensions · checked 2026-10-16
https://rotem-radiation.co.il/wp-content/uploads/2025/05/PM-10-20072020.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.