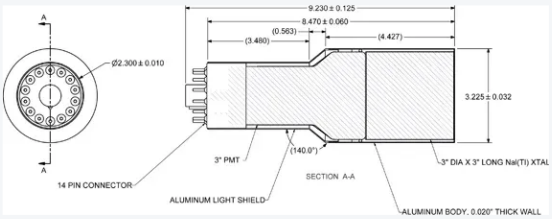
ORTEC

ORTEC 905 Series

NaI(Tl) scintillation detectors, 1 × 1 to 4 × 4 in

NaI(Tl) scintillation detectors with photomultiplier tubes in four sizes, from 1 × 1 to 4 × 4 in. The detectors are assembled and supplied to ORTEC by companies that specialise in NaI(Tl) d etectors, and specifications may vary slightly depending on the o riginal manufacturer. Special configurations such as well detectors a nd thyroid counters are available on special order.



Detector type

NaI(Tl) scintillator with photomultiplier tube [1]

Typical energy resolution, Cs-137

About 7% for a 3 in diameter by 3 in long crystal, s lightly worse for larger sizes (manufacturer's g eneral figure for NaI(Tl)) [1]

Specifications

Detector type	NaI(Tl) scintillator with photomultiplier tube	[1]
Crystal dimensions	905-1: 1 × 1 in (2 in PMT); 905-3: 2 × 2 in (2 in PMT); 905-4: 3 × 3 in (3 in PMT); 905-16: 4 × 4 in (3 in PMT)	[1]
Typical energy resolution, Cs-137	About 7% for a 3 in diameter by 3 in long crystal, slightly worse for larger sizes (manufacturer's general figure for NaI(Tl))	[1]
Special configurations	Wells, thin-window X-ray, thyroid counters and large slabs on special order	[1]
Accessories	Lead Shield G-5, table-top shield with cable-way and clamp for the detector/PMT; not compatible with the 905-16	[1]

Sources

[1] **905 Series NaI(Tl) Scintillation Radiation Detectors**
ORTEC (AMETEK) · product-page · Ordering Information; Overview; Specifications · checked 2026-10-16
https://web.archive.org/web/20261016000000/https://www.ortec-online.com/products/radiation-detectors/scintil...

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.