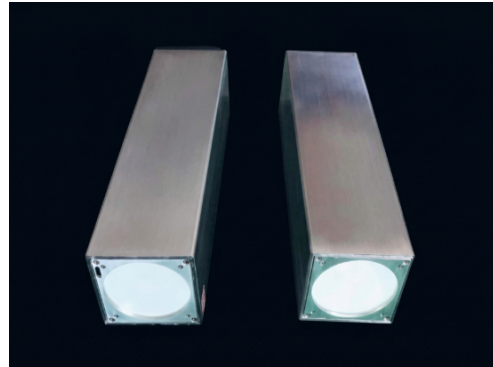


ENCAPSULATED SCINTILLATORS

Square NaI(Tl) Scintillator

Product Brochure & Technical Reference

Square NaI(Tl) scintillator components for gamma-ray measurement. Specify active crystal geometry, housing envelope, optical window and the detector interface.



Reference product image. Shown geometry is illustrative.

Material reference properties / options

Design Item	Available Option	Notes
Metal container	Aluminum or stainless steel	Selected according to weight, strength, mounting and operating environment.
Optical window	K9 glass, quartz or sapphire	Window material should match readout and mechanical requirement.
Geometry	Square, rectangular or cuboid NaI(Tl)	Useful for arrays and flat detector layouts.
Custom modifications	Special flanges, mounting fixtures or other mechanical features	Provide drawing for review.
Maximum listed size	100 mm x 100 mm x 400 mm	About 4 in x 4 in x 16 in; subject to feasibility review.

Reference values and options for selection. Confirm the material grade, geometry, test conditions and acceptance criteria for the quoted configuration.

ENCAPSULATED SCINTILLATORS

Configuration & quotation

Define the component around your application

Application examples: Close-packed gamma detector arrays; Industrial radiation monitoring instruments; Side-entry or multi-directional detection layouts

Typical Specification

Model	Crystal Size	Encapsulation	Energy Resolution, Cs-137
Nal-25-25H50	25.4 mm x 25.4 mm x 50.8 mm	Aluminum housing with K9 glass window	$\leq 8.0\%$ at 662 keV or better
Nal-50-50H50	50.8 mm x 50.8 mm x 50.8 mm	Aluminum housing with K9 glass window	$\leq 8.0\%$ at 662 keV or better
Nal-50-50H100	50.8 mm x 50.8 mm x 100.0 mm	Aluminum housing with K9 glass window	$\leq 8.0\%$ at 662 keV or better
Nal-50-100H400	50.8 mm x 100.0 mm x 400.0 mm	Aluminum housing with K9 glass window	$\leq 8.5\%$ at 662 keV or better
Nal-100-100H400	100.0 mm x 100.0 mm x 400.0 mm	Stainless steel housing with K9 glass window	$\leq 8.5\%$ at 662 keV or better

Prepare your quotation

RFQ Item	Information to Provide
Application	Detector array, side-entry detection, industrial monitoring, portal system or custom module.
Crystal geometry	Width, height, length, tolerance, active face and window/readout position.
Encapsulation	Aluminum or stainless housing, K9/quartz/sapphire window, flanges and mounting details.
Performance target	Energy resolution at Cs-137 662 keV, uniformity and inspection requirement.
Readout	PMT, SiPM, photodiode, optical coupling, cable and electronics interface.
Order information	Quantity, drawing, packaging and delivery schedule.

Reference values and options for selection. Confirm the material grade, geometry, test conditions and acceptance criteria for the quoted configuration.

Send drawings for engineering review

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Open product and inquiry page | Hangzhou, Zhejiang, China