SCIONIX

102 x 102 mm NaI(Tl) Detector

102 x 102 mm NaI(Tl) detector with built-in voltage divider

Integrated NaI(Tl) detector with a 102 x 102 mm crystal and a built-in voltage divider. Crystal and photomultiplier tube are hermetically sealed in a light-tight housing, and high voltage and signal connect through Scionix's standard SHV and BNC connectors.



Scintillator	Crystal dimensions	Electronics
NaI(Tl) [1]	**102 x 102 mm** [1]	**Built-in voltage divider** [1]

Specifications

Scintillator	NaI(Tl)	[1]
Crystal dimensions	102 x 102 mm	[1]
Electronics	Built-in voltage divider	[1]
Connectors	SHV for high voltage and BNC for signal (Scionix standard)	[2]
Format	Integrated (B style): the crystal is coupled directly to the photomultiplier tube and both are hermetically sealed in a light-tight housing	[1]
HV polarity	Positive high voltage (standard); -NEG in the type number means negative	[2]
Detector option	Low-background (LB) version: low-background steel or electrolytic copper housing, selected components and quartz or undoped NaI light guides	[1]

Sources

[1] **Examples of standard detector configurations**
Scionix · product-page · B-style detectors; Assemblies with integrated photomultiplier tubes: B-styles · checked 2026-11-26
https://scionix.nl/standard/

[2] **Detector electronics**
Scionix · product-page · Connectors; Positive or Negative High Voltage? · checked 2026-11-26
https://scionix.nl/voltage-dividers/

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.