SCIONIX

NaI(Tl) Well Detectors

NaI(Tl) detectors with axial well (BP style)

Integrated NaI(Tl) detectors with an axial well in the crystal, where the sample sits inside the detector. Scionix shows standard versions of 51 x 76 mm and 76 x 76 mm, with crystal and photomultiplier tube sealed in one housing.



Scintillator
NaI(Tl) [1]

Crystal dimensions
51 x 76 mm or 76 x 76 mm, with axial well [1]

Specifications

Scintillator	NaI(Tl)	[1]
Crystal dimensions	51 x 76 mm or 76 x 76 mm, with axial well	[1]
Format	Integrated B style with an axial well in the crystal (BP)	[1]
HV polarity	Positive high voltage (standard); -NEG in the type number means negative	[2]
Electronics	Plug-on or built-in voltage divider; optional preamplifier/line driver with a 50 Ω output for over 100 m of cable	[3]

Sources

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

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

[3] **Tutorial of SCIONIX scintillation detectors (2018)**
Scionix · manual · p. 39 · checked 2026-11-26
https://scionix.nl/wp-content/uploads/2022/09/Tutorial-of-SCIONIX-scintillation-detectors-2018-3-.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.