Conical BaF_2 Scintillation detector

TechnoAP

XBF464025

DETECTOR

Overview

BaF_2 (barium fluoride) scintillation detectors have the characteristics of **short luminescence response time and decay time** in the radiation measurement field.

It has been used to measure event times such as ps (picoseconds) and ns (nanoseconds).

This detector uses a large BaF_2 crystal to improve detection efficiency.

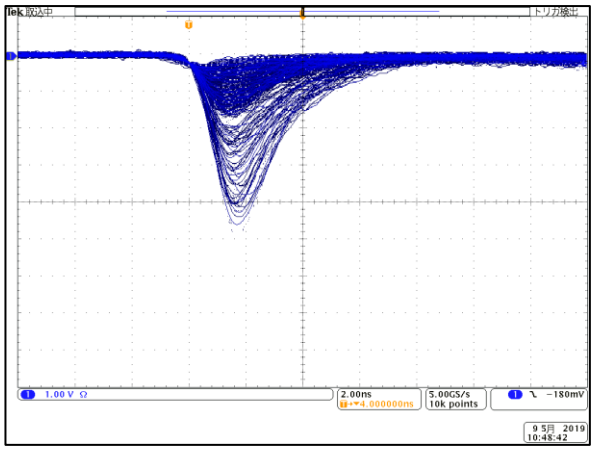
Ideal for applications such as **positron annihilation lifetime measurement**.

Crystal cover

BACK

Specifications

Crystal	BaF_2 Scintillator, **Conical shape**
Crystal Size	Φ46 × Φ40 x L**25** (mm)
Time resolution	**< 190 ps**, Typically
Deliquescent	No
Reflective material	Equipped
Crystal cover	Material: Aluminum (anodic oxide coating) Thickness: about 0.5mm, Weight: 24g
PMT	H3378-51 Hamamatsu Photonics K. K.
Connector	SHV: High Voltage (-3000V) BNC: SIG for anode output BNC: DY for dynode output
Outer diameter	Φ64mm × 250mm *Included connector
Weight	763g



Screenshot of the signal

*Images is for illustration purpose.
*Please note that contents may change without prior notice.

TechnoAP Co., Ltd.
2976-15 Mawatari, Hitachinaka, Ibaraki, Japan
Postcode:312-0012 info@techno-ap.com
TEL:+81-29-350-8011 FAX: +81-29-352-9013

https://www.techno-ap.com

20230605