

### ● Overview

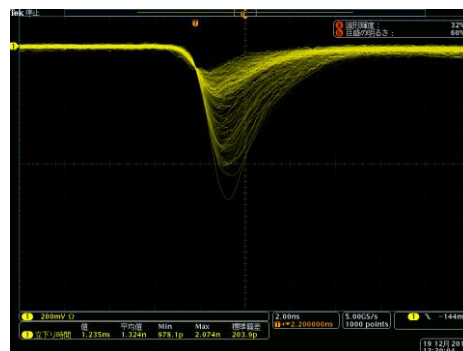
The BaF<sub>2</sub> scintillation detector is a gamma ray detector featuring an extremely fast rise time (about 1.4 ns @ -3000 V). Ideal for measurements requiring extremely fast time resolution like positron lifetime measurement.



Appearance



Back



Screenshot of the signal

### ● Specifications

Crystal	BaF <sub>2</sub> Scintillator, Cylindrical
Crystal Size	Φ28mm × L20mm
Time resolution	Typically < 170 ps
Deliquescent	No
Reflective material	Equipped
Photomultiplier tube	H3378-51 (Hamamatsu Photonics K. K.)
Voltage	Maximum Rating: -3000V, Absolute Rating: -3500V
Crystal cover	Material: Aluminum (anodic oxide coating) Thickness: about 0.5 mm, Weight: 21 g
Connector	High Voltage: SHV SIG (for anode output): BNC, DY (for dynode output): BNC
Outer diameter	Φ65mm × 221mm *without connector
Weight	650g

\*Images is for illustration purpose.

\*Please note that contents may change without prior notice.

[Website](#)

Manufacture of Radiation and Radioactivity measurement devices

## TechnoAP Co., Ltd.

2976-15 Mawatari, Hitachinaka-shi, Ibaraki, 312-0012, Japan

☎ +81-29-350-8011

📠 +81-29-352-9013

✉ [order@techno-ap.com](mailto:order@techno-ap.com)