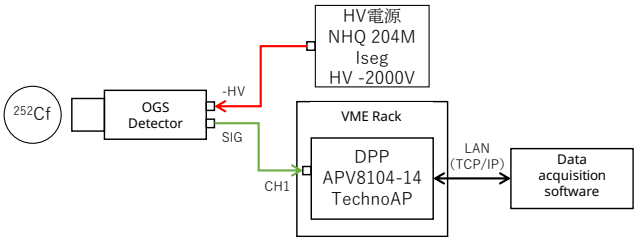
OG Scintillation Detector

TechnoAP

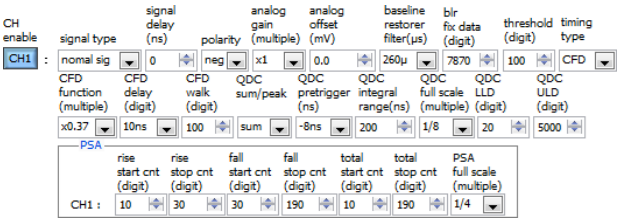
XOG200

Overview

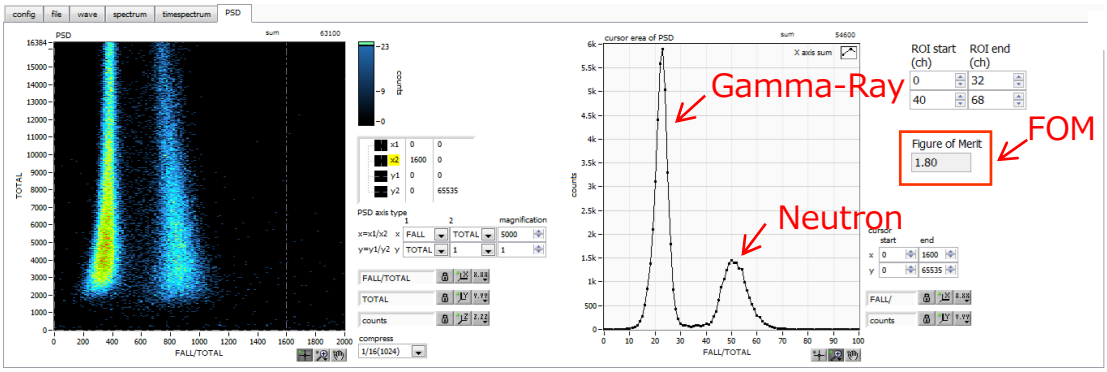
This is a detector equipped with a new scintillator, OGS (Organic Glass Scintillator), which makes it possible to discriminate between gamma rays and neutrons. Because the scintillator has a fast rise time, a photomultiplier tube with characteristics of a few nanoseconds was also adopted.



Measurement environment



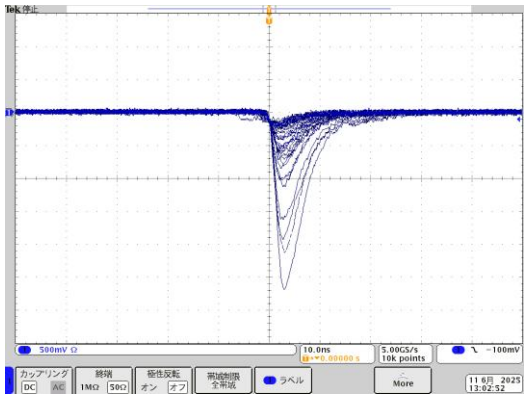
Parameter value



PSD Measurement Interface in the Provided Software

Specifications

Crystal	OGS (Organic Glass Scintillator) Size: Φ50.8 × 50.8 mm Rise time: 0.82 ns Decay time: 2.2 ns
Pulse Shape Discrimination Capability(FOM value)	1.80 @ Cf-252
Connector	HV: High voltage power supply, recommended below -3000 VSIG: Anode output DY: Dynode output
External Dimensions	Φ64 × 272 (mm) Including projections
Weights	680g



SIG output waveform

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

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