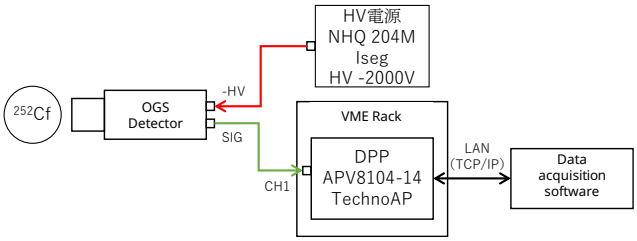
# OG Scintillation Detector

TechnoAP

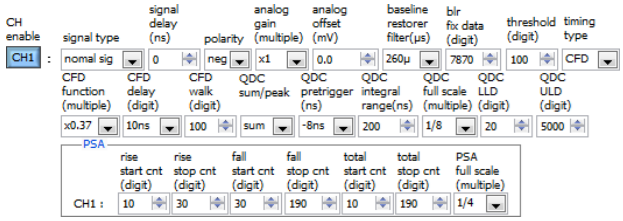
## XOG200

## Overview

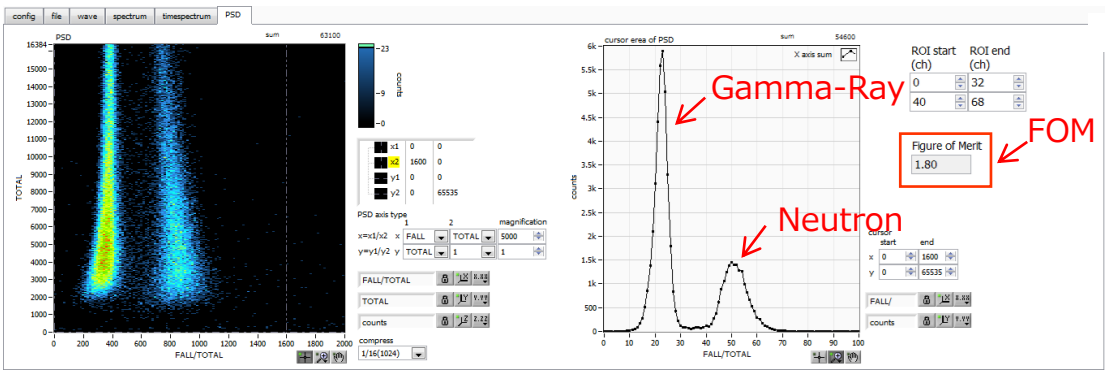
This is a detector equipped with a new scintillator, OGS (Organic Glass Scintillator), which makes it possible to discriminate between gamma rays and neutrons. Because the scintillator has a fast rise time, a photomultiplier tube with characteristics of a few nanoseconds was also adopted.




Measurement environment



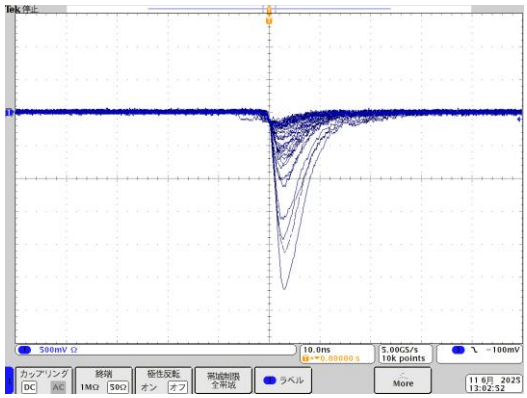

Parameter value




PSD Measurement Interface in the Provided Software

## Specifications

| | |
|---|---|
| Crystal | OGS (Organic Glass Scintillator)<br>Size: Φ50.8 × 50.8 mm<br>Rise time: 0.82 ns<br>Decay time: 2.2 ns |
| Pulse Shape Discrimination Capability(FOM value) | 1.80 @ Cf-252 |
| Connector | HV: High voltage power supply, recommended below -3000<br>VSIG: Anode output<br>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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