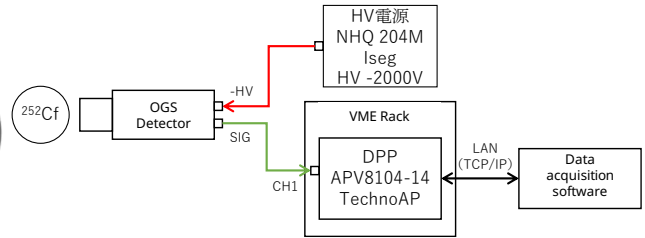


XOG200

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.

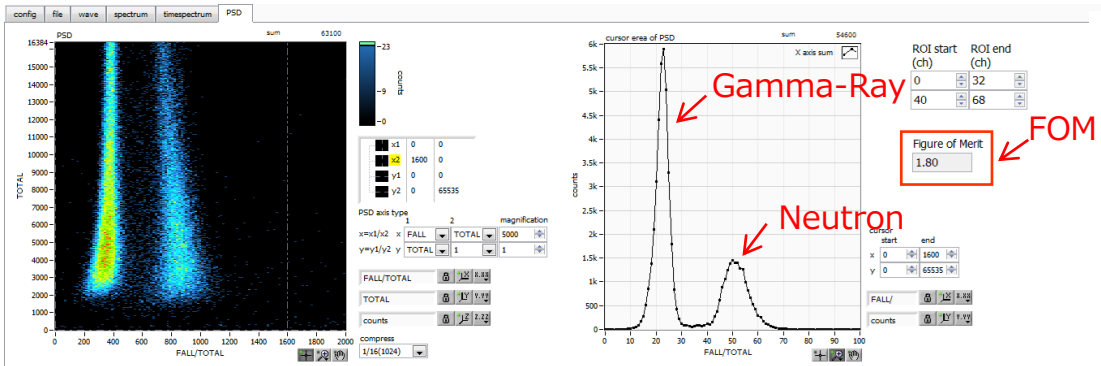


Measurement environment

CH enable	signal type	signal delay (ns)	polarity	analog gain (multiple)	analog offset (mV)	baseline restorer filter(μs)	bir fix data (digit)	threshold (digit)	timing type
CH1	normal sig	0	neg	x1	0.0	250μ	7870	100	CFD
	CFD function (multiple)	CFD delay (digit)	CFD walk (digit)	QDC sum/peak (multiple)	QDC pretrigger (ns)	QDC integral range(ns)	QDC full scale (multiple)	QDC ULD (digit)	QDC
	x0.37	10ns	100	sum	-8ns	200	1/8	20	5000

PSA	rise start cnt (digit)	rise stop cnt (digit)	fall start cnt (digit)	fall stop cnt (digit)	total start cnt (digit)	total stop cnt (digit)	PSA full scale (multiple)
CH1	10	30	30	190	10	190	1/4

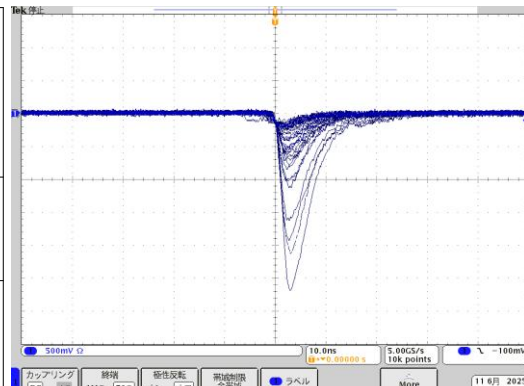
Parameter value



PSD Measurement Interface in the Provided Software

Specifications

Crystal	OGS (Organic Glass Scintillator) Size: $\Phi 50.8 \times 50.8$ 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	$\Phi 64 \times 272$ (mm) Including projections
Weights	680g



SIG output waveform

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

