

XCE150

Overview

This is **CeBr₃** scintillation detector is a detector with anode and dynode outputs from a photomultiplier tube. The resolution is about **4% @ 662 keV**, about twice that of the standard scintillator NaI(Tl). The very short **decay time of 17ns** makes it ideal for applications requiring high counting rates. XCE150 uses a large **1.5-inch** (approx. 38 mm) crystal to increase detection efficiency.



Specifications

Crystal	CeBr ₃ (Ce) scintillator φ1.5 inch x 1.5 inch φ38mm x 38mm
Resolution	Approx. 4.0% at 662 keV peak of ¹³⁷ Cs
Body material	Aluminum (Al)
Connector	High voltage power supply: SHV Anode output: LEMO*. Dynode output: LEMO*. *Use LEMO's ERN.00.250
Rated Voltage	Max: -1000V
Diameter Dimensions	φ45 x 195 (mm) Excluding connector
Weight	540 g
Requirement	Operating temperature 0 to 40 degree, No condensation. It depends on the operating environment.
Accessories	Instruction Manual Test and Inspection Report

*Images is for illustration purpose.

*Please note that contents may change without prior notice.

