

XL150PRE

Overview

Divider preamplifier integrated type

The LaBr₃(Ce) scintillation detector is a relatively new type of detector for radiation measurement. Its resolution is approximately 3% at 662 keV, which is about twice that of the standard scintillator, NaI(Tl). Additionally, with a very short decay time of 16 ns, it is ideal for applications that require high counting rates.

The XL150PRE features a large 1.5-inch (approximately 38 mm) LaBr₃(Ce) crystal, enhancing its detection efficiency



Specifications

Crystal	LaBr ₃ (Ce) scintillator, 1.5 inches × 1.5 inches (38mm × 38mm)
Resolution	Approximately 3.0% At the 662 keV peak of ¹³⁷ Cs
Case Material	Aluminum
External dimensions	Φ45 × 195 (mm) * Excluding preamplifier case and connector
Weight	536 g
Environmental conditions	Operating temperature: 0 to 40°C, with no condensation (depending on the operating environment)
Optional	Anode output
Accessories	<ul style="list-style-type: none"> • Composite cable (high voltage, preamplifier power supply, preamplifier output) • Test certificate



Composite cable

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

