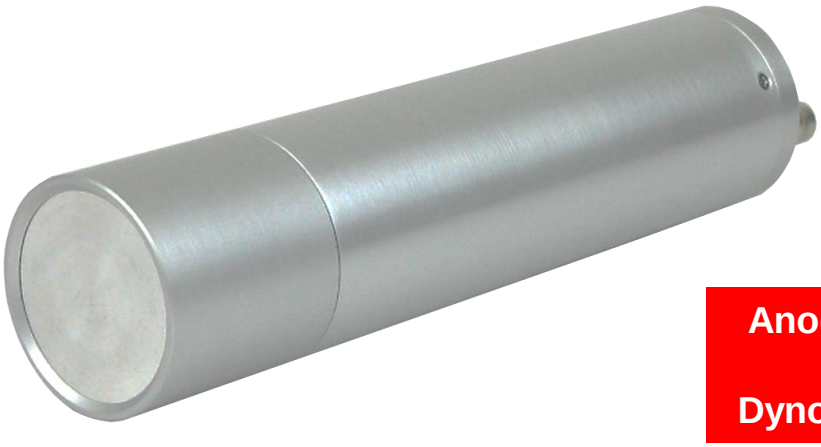
$LaBr_3$(Ce) Scintillation detector

TechnoAP

XL150

DETECTOR

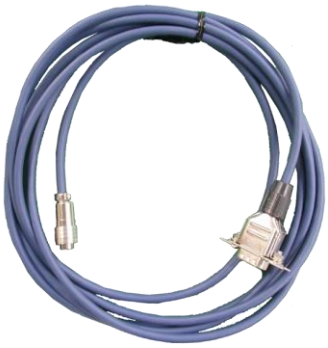
The $LaBr_3$(Ce) scintillation detector compared to the standard scintillator NaI(Tl),
the resolution is about 3% @ 662 keV and the performance is doubled.
The decay time is as short as 16 ns, making it suitable for applications that require measurement at high count rates.
The signals from the detector are two types of outputs, anode and dynode.
The XL150 uses a large 1.5-inch (about 38 mm) $LaBr_3$(Ce) crystal to improve detection efficiency.



Anode output & Dynode output

Specifications

Crystal	$LaBr_3$(Ce) scintillator φ1.5 inch × 1.5 inch (φ38 mm x 38 mm)
Resolution	About 3.0 % @ 662keV peak of Cs-137
Outer material	Aluminum
Connector	SHV for High voltage power supply LEMO* for anode and dynode output * Uses model “ERN.00.250” of LEMO
Rated voltage	Max. minus 1000 V
Dimension	Φ45 x 195 (mm) * without connectors
Weight	536 g
Environmental Condition	Operating temperature is 0 to 40 degrees Celsius. No condensation. * Depending on the usage environment
Accessories	Test report



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

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