

SiPM Energy Spectrum Detector

EBGO-D50H50SIPM01

1.Product introduction

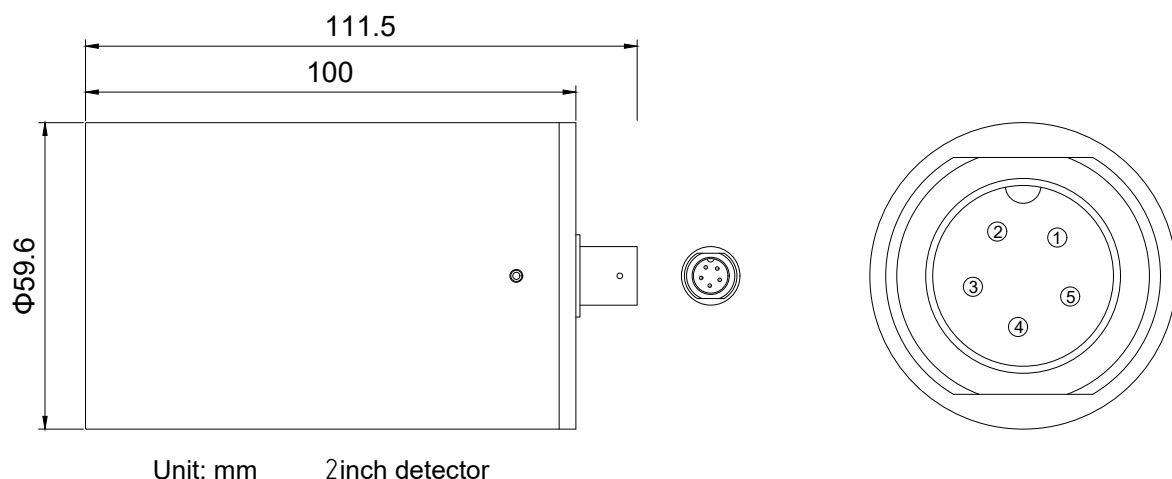


The EBGO-D50H50SIPM01 spectroscopic detector is a highly integrated detector containing a 2-inch BGO, silicon photomultiplier (SiPM), summing circuit, preamplifier circuit, and temperature measurement circuit. It features excellent energy resolution, simple operation, compact size, and high reliability. It is widely used in industrial detection, radiological medicine, radiation detection, and other fields.

2.Performance parameter

Parameters	value	Unit
Scintillator type	BGO	--
Scintillator size	$\Phi 50 \times 50$	mm
SiPM size	6×6	mm
Input voltage	+25.5~+29.5	V
Temperature measuring range	-40~+150	
Output signal pole type	Positive polarity	/
Energy resolution(^{137}Cs)	$\leq 15\%$	--
Working temperature and humidity	+5~+45	

3.External dimensions diagram



● Interface Definition

① Ground	② Power supply (+25.5V~+29.5V)
③ Signal output	④ Signal ground
⑤ Temperature linear output (+0.1V~+2V) / (-40 ~150)	