

ENAI-D25H25DHP01

Nal scintillator Detector

1.Overview



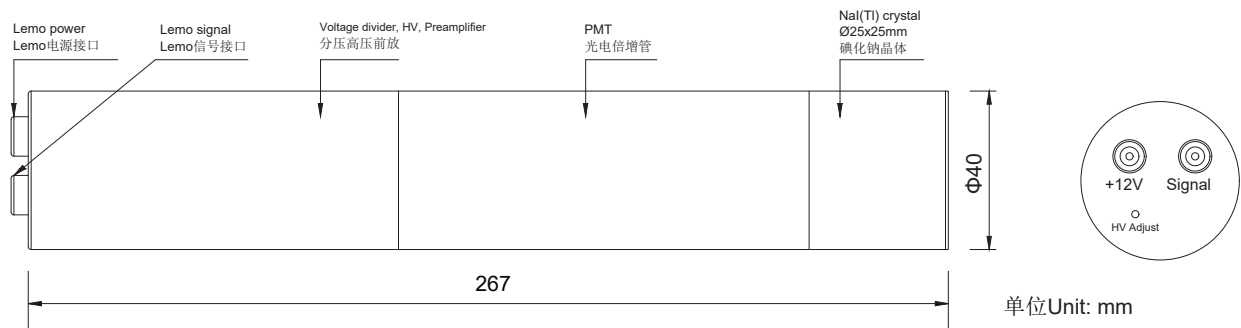
The ENAI-D25H25DHP01 scintillator detector is a highly integrated scintillator detector composed of a 1-inch Nal scintillator, photomultiplier tube, voltage divider, high-voltage module, preamplifier. It can be used for gamma ray energy spectrum measurement, directly output negative polarity signal. Due to its small size, good resolution, simple use, and high reliability, it is widely used in fields such as radiation safety detection and precision measurement analysis.

2.Main technical parameters

- ▶ Input voltage +11.5~+12.5V
- ▶ Max.input current 50mA
- ▶ Effective size of scintillator $\Phi 25 \times 25 \text{mm}$
- ▶ Output signal polarity Negative
- ▶ Output signal amplitude 1V
- ▶ (Max)/Output signal amplitude 6V
- ▶ Energy resolution $\leq 7.5\%$
- ▶ Work environment Temperature $0 \sim +40^{\circ}\text{C}$
- ▶ Storage environment Temperature $-20 \sim +60^{\circ}\text{C}$
- ▶ Storage environment Humidity $< 90\% \text{RH}$

Note: 1) The output state of the detector is adjusted by using ^{137}Cs radioactive source test.

3.Outline Dimensional Drawing



Wiring Instructions		
Interface type	Lemo power connector	Lemo signal interface
Interface definition	+12V input	Signal output
Note: The potentiometer adjustment interface is used to adjust the internal high voltage, adjust the high voltage clockwise to increase, and adjust the high voltage counterclockwise to decrease.		