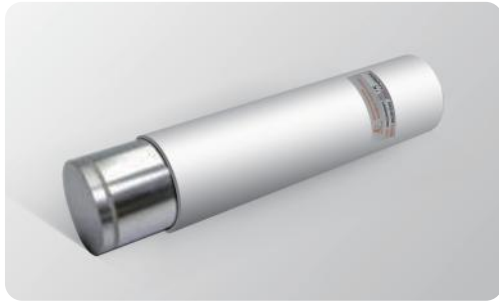


1. Overview



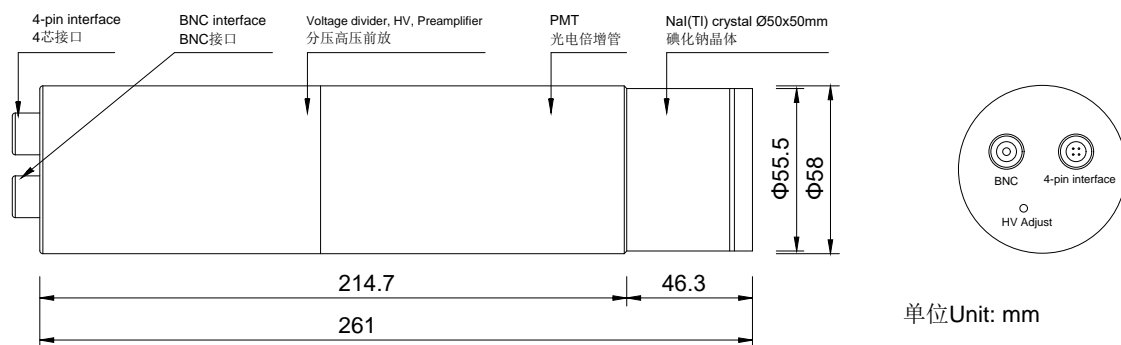
The ENAI-D50H50DHP01 scintillator detector is a highly integrated detector composed of a 2-inch NaI scintillator, photomultiplier tube, voltage divider, high-voltage module, and preamplifier. It can be used for gamma ray energy spectrum measurement, directly output negative polarity signal. Due to its high detection efficiency, good energy resolution, and stable performance, It is widely used in energy spectrum measurement analysis, densitometry, coal ash analysis and other fields.

2. Main technical parameters

- ▶ Input voltage +11.5~+12.5V
- ▶ Max.input current 50mA
- ▶ Effective size of scintillator $\Phi 50 \times 50 \text{mm}$
- ▶ 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	4-pin interface	BNC 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.