

EUROPiN

Room Temperature High Energy Resolution Miniature CdTe Radiation Detector



less than 4 keV for ^{241}Am
&
less than 5 keV for ^{57}Co
at 300V
2 μs shaping time
(measured with PR16
EURORAD's preamplifier)

Specifications:

Detector dimensions: $4 \times 4 \times 0.5 \text{ mm}^3$

Detector structure: p-i-n (Pt/CdTe/In)

Energy resolution* < 4 keV (^{241}Am)
at 300V: < 5 keV (^{57}Co)
 $\leq 3\%$ (^{137}Cs)

Energy range: 10 – 1000 keV

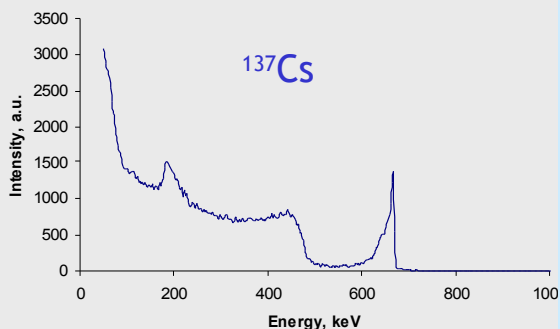
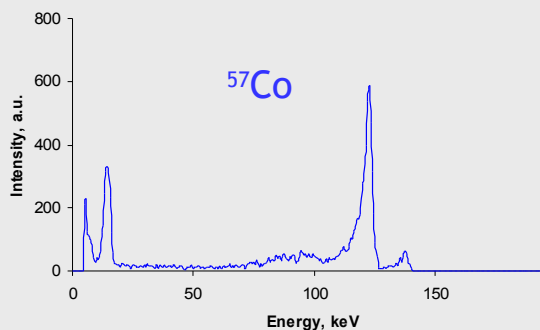
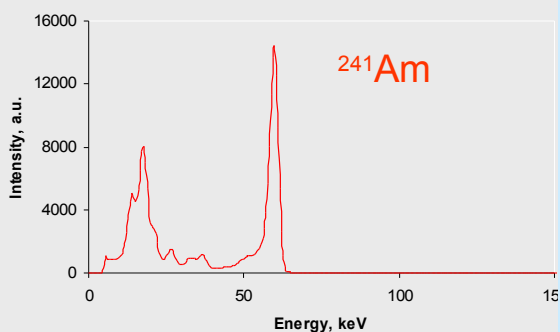
Typical bias voltage: 300V

Operation: Room temperature

Mounting: - Aluminium housing
- thin Carbon window
- size: $\phi 16 \text{ mm}$
length, without connector, 17.5 mm
length, with BNC connector, 30

Weight: less than 12 g

Price:



* For long time measurements short bias OFF is needed (polarization phenomenon)