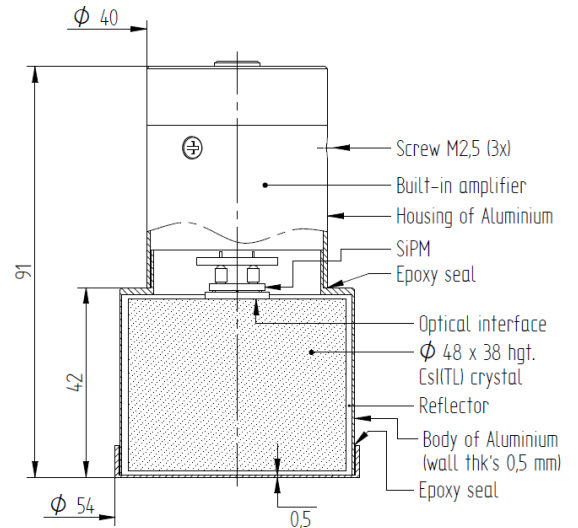


48B38/SIP-Cs-E3-X

Large volume CsI(Tl) / SiPm Scintillation detector with built-in temperature compensated bias generator and preamplifier

- Scintillation material** : CsI(Tl) 48x38 mm
- Drawing number** : VS-1422-1
- Crystal read out** : 12x12 mm² SiPm
- Power supply** : 5.2 - 16 V (25 mW)
- Test bias voltage** : 26.9 V
- Electrical connections** : LEMO ERA.0S.302.CLL
 - Pin 1 : power supply (5.2-16 V)
 - Pin 2 : signal
 - Mass : common ground
- Output impedance** : 50 Ω
- Pulse fall time** : 1.4 μs
- Pulse rise time** : 700 ns (0-100%)

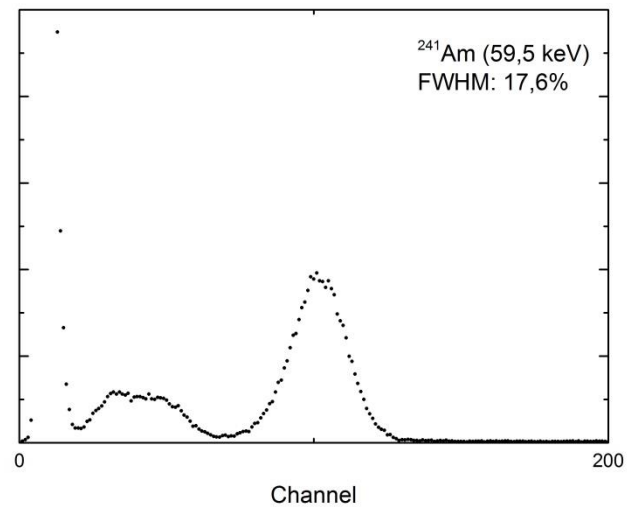
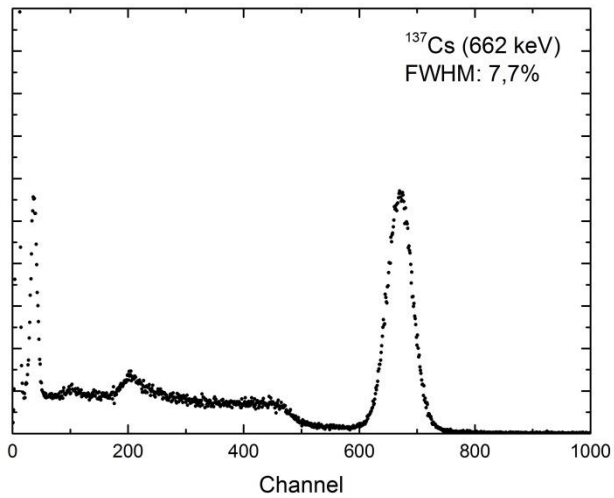


- Maximum voltage output** : - 1 V
- Gain** : - 300 mV / MeV (can be adjusted on request)

Energy resolution : < 8 % FWHM @ 662 keV

Noise level : <10 keV

SiPm gain drift correction : Built-in



Typical pulse height spectra



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