



EUROSPECTRUM ENHANCER

The **Euro-Spectrum** Enhancer is a spectrometric system to improve the energy resolution of the detector, specifically adapted to detectors, probes and preamplifiers developed by **EuroRad**.

The **Euro-Spectrum** Enhancer system can be used together with CdTe and CdZnTe (CZT) detectors for high energy spectrometry applications (137 Cs).

By selecting fast rise time pulses, the system permits an **enhancement** of the spectra obtained with CdTe and CZT detectors.

Since it incorporates a time discriminator, the resolution FWHM and the P/V (Peak-to-Valley) ratio are both improved with **minimum loss** in counting rate.

The Euro-Spectrum Enhancer system includes both bias generator and power supply, allowing full **practical efficiency** with minimum external connections.

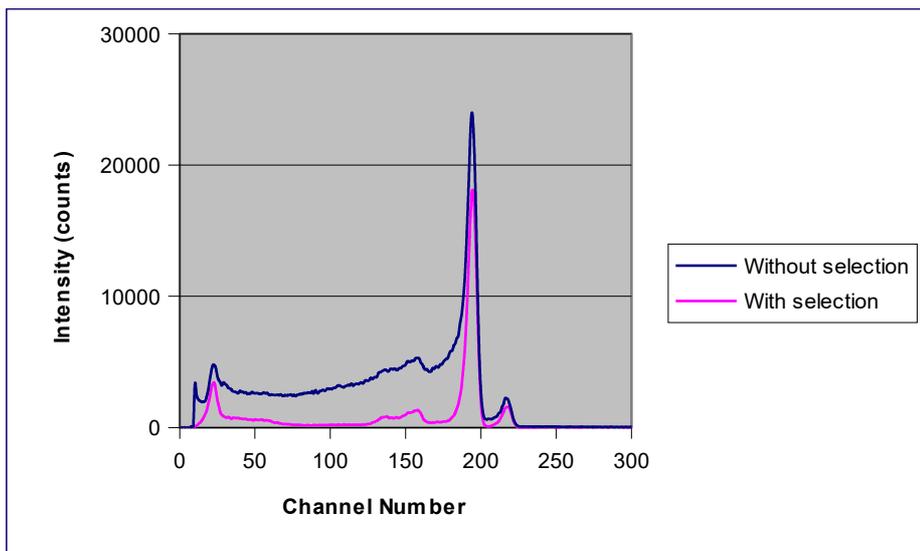
The **Euro-Spectrum** Enhancer set contains:

- a spectroscopic amplifier with shaping time adjusting
- a fast spectrometric amplifier
- a time discriminator
- a bias generator (optional)
- the power supply

EURO-SPECTRUM ENHANCER

EXAMPLES OF SPECTRA

CdTe ^{57}Co spectrum with different risetimes selections



CdTe ^{137}Cs spectrum

