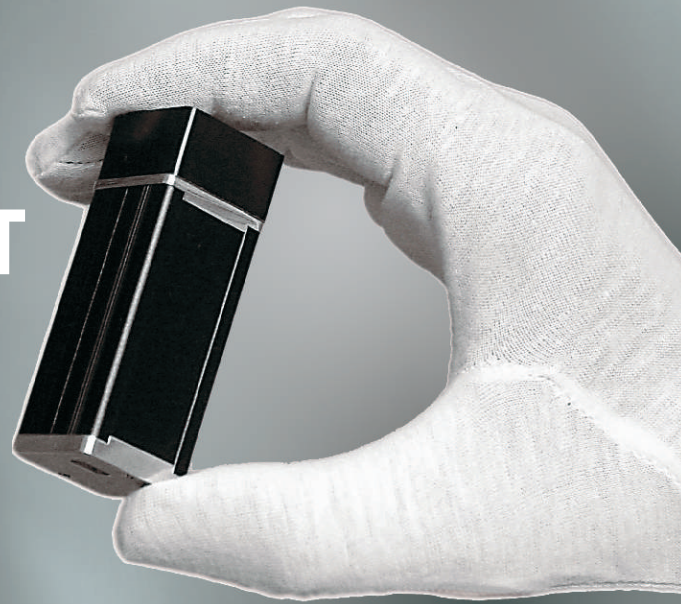


μSPEC Gamma-Radiation CZT Micro Spectrometer



Gamma CZT Micro Spectrometer μSPEC is a high performance device based on room temperature CdZnTe semiconductor detectors and MicroMCA527. The μSPEC allows measuring, storing and processing gamma-radiation spectra in a PC through the USB port. The Spectrometer has changeable CdZnTe quasi-hemispherical detectors of different volumes of 60 mm³, 500 mm³ or 1500 mm³.

Parameters

Detector type	CdZnTe
Detector volume	60-1500mm ³
Energy range	20keV - 3.0MeV
Energy resolution at 662 keV	
μSPEC60, μSPEC500	<2.5%
μSPEC1500	<3.5%
Maximal throughput	<100 kcps
Number of channels	128, 256, 512, 1k, 2k
PZC adjustment	automated
Connector	Micro USB
Dimensions, mm	25 x 25 x 70
Weight, gram	80

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