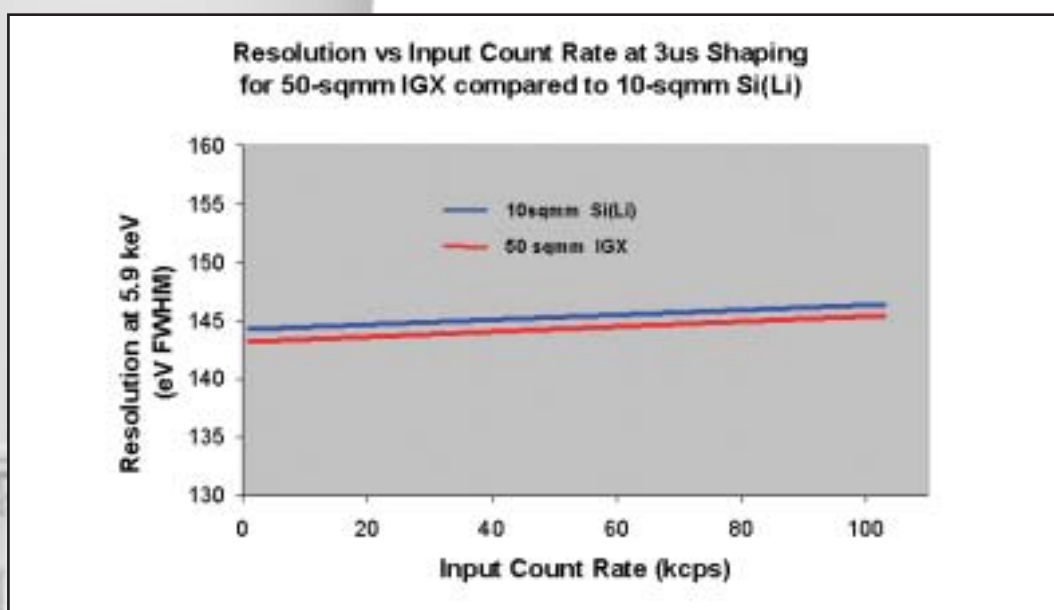


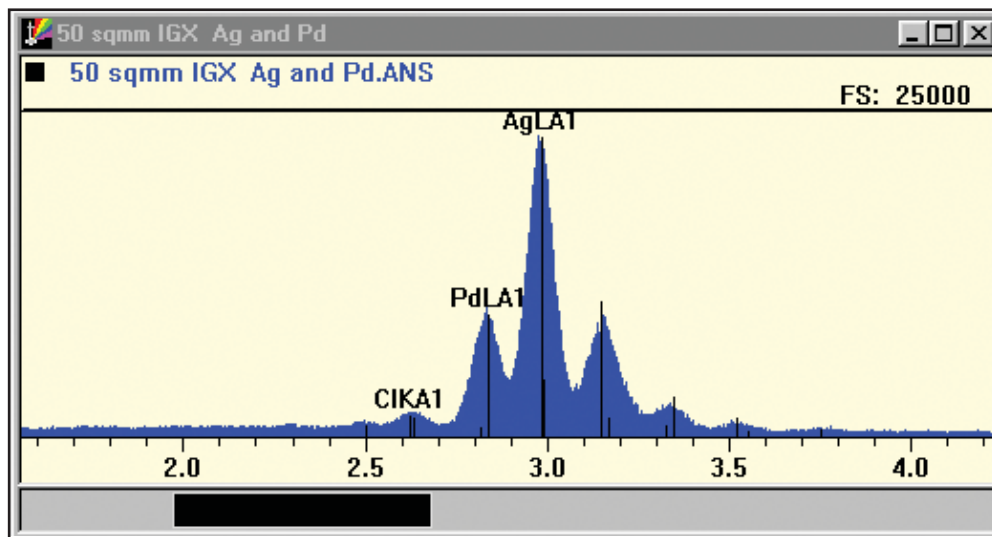
# IGX Series HPGe X-ray Detectors

## IGX Series HPGe X-ray Detector Specifications

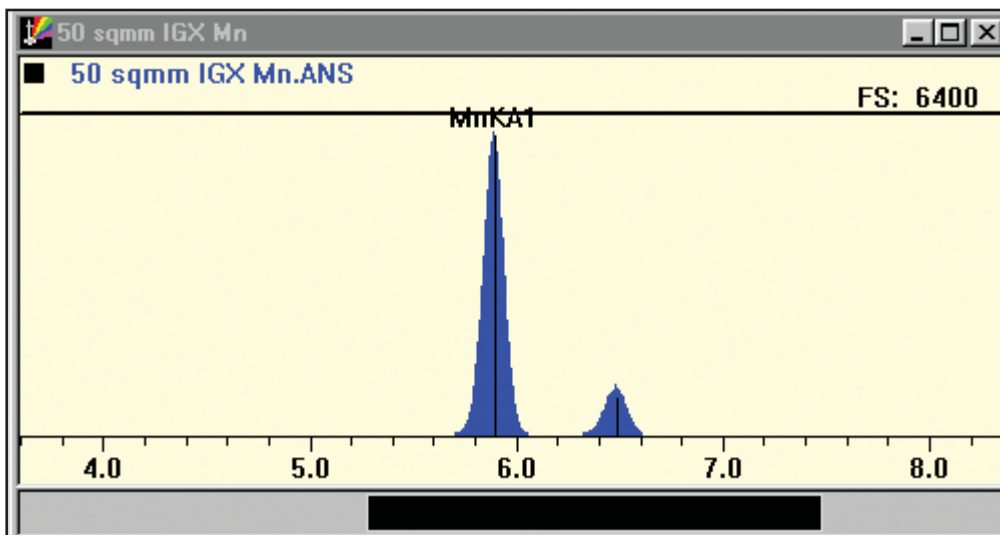
Model Number	Active Area (mm <sup>2</sup> )	Thickness (mm)	Resolution at 5.9 keV (eV FWHM)
IGX10115	10	3.5	115
IGX30125	30	5	125
IGX50129	50	5	129
IGX100138	100	10	138



Both detectors show excellent resolution, but the 50 mm<sup>2</sup> IGX has greater collection efficiency than the 10 mm<sup>2</sup> Si(Li), making it easier to obtain high rate data without losing resolution.



Spectrum from a 50 mm<sup>2</sup> IGX detector with Ag and Pd samples in an SEM, showing the separation of the Ag and Pd peaks.



Spectrum from a 50 mm<sup>2</sup> IGX detector with Mn sample in an SEM, showing 118 eV FWHM resolution.