

VORTEX EX[®]

Silicon Drift X-Ray Detector

- No liquid Nitrogen (LN2), thermoelectrically cooled
- Largest single active area (50 mm²) available of its kind
- Excellent resolution (<129 eV FWHM is typical)
- High count rate capability (ICR > Mcps),
OCR > 600 kcps at 0.25 us
- Virtually zero loss in energy resolution and no peak shift with count rate
- Cool down times are less than 3 minutes

Typical Applications

- X-ray fluorescence (XRF) & TXRF spectroscopy - both bulk and micro-fluorescence
- X-ray diffraction (XRD)
- Synchrotron applications
- Process Control

Peaking Time	Guaranteed Resolution
12 us	<140 eV
8 us	<145 eV
4 us	<150 eV
1 us	<180 eV
0.25 us	<250 eV

Standard



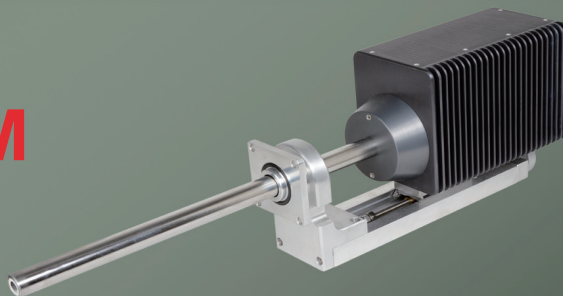
60EX



90EX



EM



ME4

