

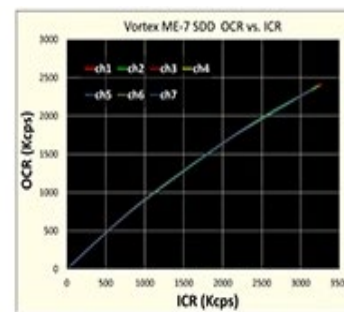
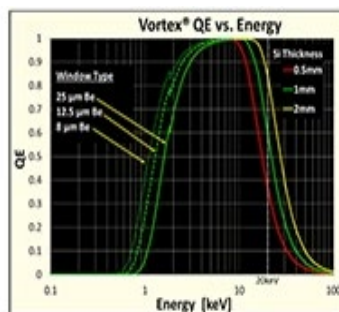
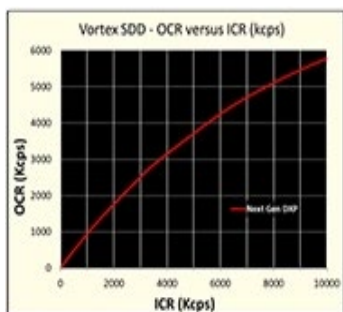
Vortex Series Silicon Drift Detectors (SDD)



Silicon Drift Detectors for Science at the Speed of Light

Technologically Advanced Silicon Drift Detectors

- Exceptional Rise Time: < 25 ns
- Outstanding Throughput: Output count rates > 5 Mcps per channel Superior Energy Resolution: < 230 eV at 3 Mcps (OCR)
- Unique Sensor Thickness: 0.5 mm, 1.0 mm, and 2.0 mm available



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A Variety of Configurations

Sensor Thickness	0.5, 1.0, and 2.0 mm
Active Areas	50, 65, and 100 mm ²
Probe Lengths	From 60 mm to over 600 mm
Sensor Arrays and Designs	Single, Multiple, Planar, Focused
Environments	Air, Vacuum, UHV, and He
Number of Sensors	Single: Vortex, Vortex-60EX, Vortex-90EX, Vortex-EM Three: Vortex-ME-3 Four: Vortex-ME-4 Seven: Vortex-ME-7

Applications

Many of the most successful research and development companies in the world trust Hitachi High-Tech equipment for the following applications:

- X-ray spectroscopy
- X-ray fluorescence measurements
- X-ray microscopy and x-ray analysis
- Synchrotron radiation applications
- Process control
- Environmental monitoring
- Spent fuel measurement and verification

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