4-element Silicon Drift Detector System XSDD50-04GR-SYS

The latest SDD adopts a 4-element configuration, achieving high counting rate and high energy resolution. The APU504XDC allows the selection between high counting rate mode and high resolution mode, enabling flexible measurements.



TechnoAP Co., Ltd.

2976-15 Mawatari, Hitachinaka, Ibaraki, Japan Postcode:312-0012 <u>info@techno-ap.com</u> TEL:+81-29-350-8011 FAX: +81-29-352-9013



http://www.techno-ap.com



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SYSTEM

4-element Silicon Drift Detector System

XSDD50-04GR-SYS

CH type (for high energy) 1 µm thick carbon

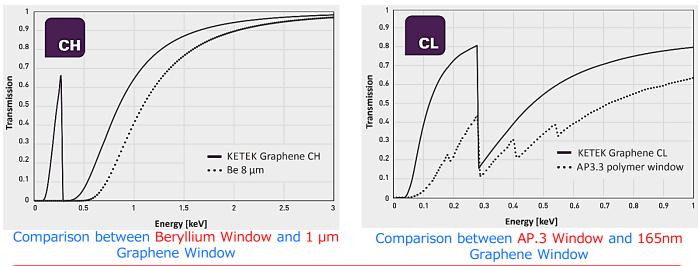
No support grid Replacement with 8 µm beryllium window

CL type (for low energy)

165 nm thick carbon Silicon support grid(open area ratio 86%) For low energy applications

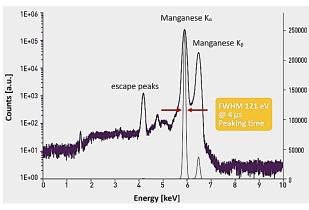
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SYSTEM



• Both windows provide vacuum sealing for the detector and exhibit excellent cooling performance.

• The transmission rate has been improved across the entire energy range compared to conventional windows.

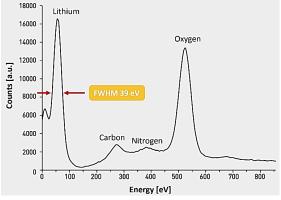


Energy resolution (FWHM) for Manganese Ka up to 121 eV at a peaking time of 4 μs

Applying a 25-degree angle to the detection surface

Reduces the focal distance to the sample





Low-energy spectrum Gaussian lithium and oxygen Ka peaks





When using a vacuum-compatible bellows drive mechanism

We also accept custom orders and prototypes. Please feel free to contact us.

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