

1 element SDD system

MADE IN JAPAN

SYSTEM

High-resolution / High-throughput by appropriate DSP

This detector greatly improves the throughput by appropriate transit-reset processing and Digital Signal Processing. This system measurable light element such as carbon.

XSD50-01

10⁻⁵ Pa
Corresponding
Vacuum

Customizable
Flange type / Tube size

Selectable

- Active Area: 30mm² / 50mm²
- Window: Be / AP3.3 / Window-less

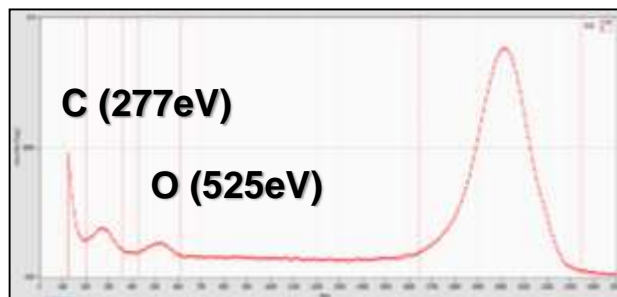
Recommended
Measurement Module

APU101X



DIGITAL SPECTRUM METER

Integrated
High voltage power supply
Preamplifier power supply
Mulch Channel Analyzer



[Example]

Spectrum of soft X-rays

CUSTOM MADE
for your needs!



[Example]

Gate valve and Angle valve
Transport with bellows
corresponding to the vacuum

*Images is for illustration purpose.

*Please note that contents may change without prior notice.

Detector	SDD 50mm ² , Window-less / AP3.3 / Be
Element area	65mm ² (Standard)
Active area	65mm ² collimated to 50mm ² (Standard)
Measurement mode	Histogram / List / Waveform / ROI-SCA
ADC sampling	100Msps 14bit
Energy resolution (typ.)	125eV@5.9keV 2us 150eV@5.9keV 0.15us
SDD power supply	-200 V , ±5V , +3.3V
Throughput	Max. 150kcps : 2us Max. 1000kcps : 0.15us
Interface	Ethernet (TCP/IP)
Option	Z-axis movement mechanism, UHV valve
Vacuum capable	<10 ⁻⁵ Pa
Flange type	ICF70 (Standard)
Accessory	Software, Instruction Manual

TechnoAP

Design and fabrication of electronic circuit associated with measurement control and radiation measurement

TechnoAP Co., Ltd.

+81-29-350-8011

+81-29-352-9013

2976-15 Mawatari, Hitachinaka-shi, Ibaraki, 312-0012, Japan

<http://www.techno-ap.com>

order@techno-ap.com

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