

4-Element Series

Example Configuration 1 : XSDD50-04GRCH-SYS

Silicon Drift Detecor
XSDD50-04GRCH
1 Unit



Tube length: Standard 200 mm
(* Customizable)

Digital Spectrometer for XAFS Measurement
1G Ethernet
APU504XP 1 Unit

OR

Digital Spectrometer for XAFS Measurement
10G Ethernet
APU504XP-10G 1 Unit

Example Configuration 2 : XSDD50-04GRCL-ICF-SYS

Vacuum-Compatible Silicon Drift Detector
XSDD50-04GRCL-ICF
1 Unit



Tube length: Standard 200 mm
(* Customizable)
Flange: ICF70

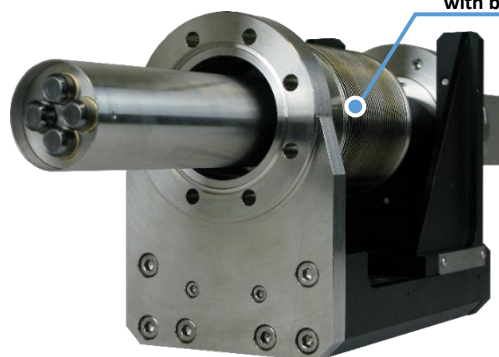
Digital Spectrometer for XAFS Measurement
1G Ethernet
APU504XP 1 Unit

OR

Digital Spectrometer for XAFS Measurement
10G Ethernet
APU504XP-10G 1 Unit

Options

- Vacuum-compatible drive mechanism with bellows
- SDD angle change, etc.



Vacuum-compatible drive mechanism with bellows

SDD angle:
25 degrees



Please contact us for inquiries.



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APU504XP-10G 1 Unit

Window Material List

Type	Model Notation	Thickness	Remarks
Windowless	WL	-	Compatible with He and N atmospheres.
Graphene	GRCH	1 μm	For high energy. Compatible with 8 μm and 12.5 μm Be windows. No support grid.
	GRCL	165 nm	For low energy. Silicon support grid (86% open area ratio).
Silicon Nitride	C1	150 nm	Light-tight.
	C2	40 nm	Not light-tight. Not compatible with He atmosphere.
Beryllium	Be	12.5 μm	

4-Element Silicon Drift Detector Series

Window Material	Environment		Light Shielding	Active Area / Collimated Area	Model
	Atmosphere	Vacuum			
WL	×	○	Required	164 mm ² /112 mm ²	XSDD30-04WL-ICF
				260 mm ² /188 mm ²	XSDD50-04WL-ICF
GRCH	○	○	-	164 mm ² /112 mm ²	XSDD30-04GRCH(-ICF)
				260 mm ² /188 mm ²	XSDD50-04GRCH(-ICF)
GRCL	○	○	Required	164 mm ² /112 mm ²	XSDD30-04GRCL(-ICF)
				260 mm ² /188 mm ²	XSDD50-04GRCL(-ICF)
C1	○	○	-	280 mm ² /200 mm ²	XSDD50-04C1(-ICF)
C2	○	○	Required	280 mm ² /200 mm ²	XSDD50-04C2(-ICF)
Be	○	○	-	280 mm ² /160 mm ²	XSDD1T50-04Be(-ICF)

