

Energy Dispersive X-ray Fluorescence Spectrometers

EDX Series: Supplies and Maintenance Parts

EDX-720/800HS/900HS, EDX-GP/LE




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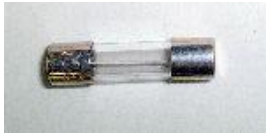

Consumables

Unit	Product Name	P/N
X-Ray	X-Ray tube	212-24541-91
Lid Operation	Molykote grease (LG#2)	017-27014-05
Shuttler/Filter	Silicone grease (HVAC-G, 50g)	017-30813-01
Vacuum	Rotary pump oil (UltraGrade 19, 1L)	220-97808-00
Misc.	Brush, for grease application	086-71021-00

Maintenance





Category	Product Name	Remarks	P/N	External Appearance
O-Rings	O-ring, 1A P12.5	For Pirani gauge (Vacuum unit)	036-10214-00	
	O-ring, 1A P6 (5/pk)	For shutter/filter shaft	036-10204-84	
		For collimator shaft		
	O-ring, 1A P11	For turret drive	036-10211-00	
	O-ring, 1A P-6	For small-sample cover	036-12012-00	
	O-ring, AS568A-278-1A	For sample chamber cover	036-15502-78	

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Fuse	Fuse, 250V 10A	F1, F2 (Vacuum unit)	072-02004-26	
	Fuse, 218 3.15	F3, F4 (Cover open/close, turret, analog transformer)	072-02004-21	

Optional Accessories

Sample Cells





Product Name	Remarks	P/N	External Appearance
3571 31mm Open-End X-Cell	Used for both liquid and powder samples. Used with Mylar or polypropylene film. 100pcs/set. OD: 31.6mm; V: 10mL	219-85000-55	
3529 31mm X-Cell	100pcs/set. OD: 32mm; V: 8mL	219-85000-52	
3577 Micro X-Cell	Used for trace samples. It is recommended that a collimator is used with this cell in order to reduce radiation scatter. 100pcs/set. OD: 31.6mm; V: 0.5mL	219-85000-54	
3561 31mm Universal X-Cell	100 pcs/set. OD: 31.6mm; V: 8mL	219-85000-53	

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Mylar Film for Sample Cell	500 sheets/set	202-86501-56	
Polypropylene Film for Sample Cell	Effective for trace analysis of light elements in vacuum and helium atmospheres. 73mm wide; 92m long	219-82019-05	

Sample Turrets


****Must have turret drive unit pre-installed**

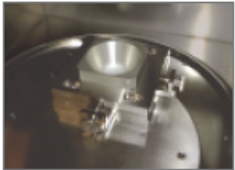
16-Sample Turret (Solid Samples)	Used for sequential analysis of solid samples with diameters less than 32mm. Particularly effective for analysis in helium or vacuum atmospheres	212-22665-91	
16-Sample Turret (Liquid Samples)	Used for the sequential analysis of up to 16 liquid or powder samples contained in sample cells	212-22665-92	
8-Sample Turret	Used for the sequential analysis of larger samples with diameters less than 52mm	212-22665-93	
8-Sample Turret with Spinner	Used to acquire averaged information of heterogeneous samples like minerals, foods, soil, etc. Used with solids or small sample holders.	212-22345-00	


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Sample Accessories

Sample Fixing Jig	40mm diameter For 8-sample turret	212-22656-01	Used to ensure secure fitting when using sample cells in conjunction with turret
	30mm diameter For 8-sample turret	212-22656-02	
	20mm diameter For 8-sample turret	212-22656-03	
	20mm diameter For 16-sample turret	212-22656-04	

Spinner Sample Holder	Small Sample Holder For the analysis of a sample less than 11mm diameter	212-22357-00	
	Solid Sample Holder For the analysis of a sample less than 52mm diameter	212-22354-00	

Precision Stage	Used to set a region of interest on the sample to the irradiation area automatically, when collimator and CCD options are equipped. A large knob and X-Y slide mechanism makes sample positioning easy. Useful for smaller sample areas (1mm). Central opening of up to 70 x 70mm. Inner diameter of standard holder is 31mm (Can be used with sample cell).	212-22925-00	
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Small-Sample Cover	Helps shorten the evacuation time when analyzing a small sample sequentially. Max sample size: 62mm (dia.) x 120mm (h)	212-23860-91	
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Standards

Product Name	P/N
SUS Standard	212-21650-02
A750 Calibration Standard	212-21650-17
Cl Check Sample	212-24705-91
PVC-5E6 (Hg, Cr, Br in PVC)	220-95328-01
PE-5E6 (Cd, Pb, Hg, Cr, Br in PE)	220-95328-03
Lead-free Solder	220-95328-07
Aluminum Alloy (Cd, Pb, Cr in Al)	220-95328-08
Copper Alloy (Cd, Pb, Cr in Cu)	220-95328-09
PE-8E6 (Sb, As, Ba, Cd, Cr, Pb, Hg, Se in PE)	220-95328-10
PE-1E6 (Cl in PE)	220-95328-11
NMIJ CRM 8102-a (Cd, Cr, Pb in ABS Resin Pellet, LOW concentrations)	220-95328-20
NMIJ CRM 8103-a (Cd, Cr, Pb in ABS Resin Pellet, HIGH concentrations)	220-95328-21
NMIJ CRM 8112-a (Cd, Cr, Hg, Pb in ABS Resin Pellet, LOW concentrations)	220-95328-24
NMIJ CRM 8113-a (Cd, Cr, Hg, Pb in ABS Resin Pellet, HIGH concentrations)	220-95328-25

Software

Software	Remarks	P/N
PC-EDX	v1.11 (compatible with Windows 7)	212-24911-42

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Analysis Kits (EDX-GP/LE)**

Product Name	Remarks	P/N
Additional Function Kit	Adds general analysis function to the EDX-LE	212-24714-42
RoHS, Halogen, and Antimony Screening Analysis Kit	Instruction manual and check sample for measurement of Sb, Cd, Pb, Hg, Cr, Br, and Cl , as specified by the RoHS directive and halogen regulation, plus antimony	212-24922-91
Small-Spot Solder Analysis Kit	Instruction manual and small-spot collimator plate for small-part solder analysis in circuit boards	212-24850-41
Halogen Screening Analysis Kit	Instruction manual and check sample for measurement of Cd, Pb, Hg, Cr, Br, and Cl , as specified by the RoHS directive and halogen regulation	212-24908-91

****Must have PC-EDX v1.11**

Miscellaneous

Liquid Nitrogen Supplies Pack	Includes: <ul style="list-style-type: none"> • Cryogenic Gloves • 4L Liquid Nitrogen Dewar • 4 ft. Transfer Hose 	220-95807-00
X-Ray Pilot Lamp	Indicates x-ray exposure	212-22454-00

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