

AMPTEK INC. 14 DeAngelo Drive, Bedford, MA 01730-2204 USA
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PRICE LIST

FOB: BEDFORD, MA USA, MASTERCARD, VISA, and AMERICAN EXPRESS Accepted

PLEASE SEE X-RAY SELECTION CHART FOR ADDITIONAL ORDERING INFORMATION

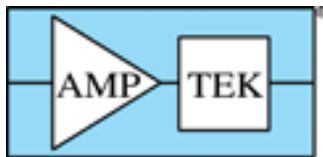
XR-100CR Si-PIN X-Ray Detector		
XR-100CR	X-Ray Detector with Si-PIN Detector Exact part number for ordering: XY-FSG32MD-G3SP: 6 mm ² /500 μm/1 mil Be/ML XY-FSG32MD-G2SP: 6 mm ² /500 μm/0.5 mil Be/ML XY-FS432MD-G3SP: 13 mm ² /500 μm/1 mil Be/ML XY-FSJ32MD-G3SP: 25 mm ² /500 μm/1 mil Be/ML	\$ 3,900 \$ 4,300 \$ 3,900 \$ 3,900
PX5	Digital Pulse Processor, MCA, and Power Supply for use with all Amptek detectors	\$ 5,950
XR-100SDD Silicon Drift X-Ray Detector		
XR-100SDD	X-Ray Detector with Silicon Drift Detector (SDD) Exact part number for ordering: XY-GSJ3AMD-G2SP: SDD 25 mm ² /500 μm/0.5 mil Be/ML XY-GSJ3AMD-E1SP: SDD 25 mm ² /500 μm/0.3 mil Be/ML XY-GSJ3AMD-UOEA: SDD 25 mm ² /500 μm/C1 Window/ML XY-GSJ3AMD-E6EA: SDD 25 mm ² /500 μm/C2 Window/ML	\$ 5,900 \$ 6,400 \$ 6,400 \$ 6,900
XR100FASTSDD	X-Ray Detector with FAST Silicon Drift Detector (SDD) Exact part number for ordering: XY-HSJ3AMD-G2SP: FAST SDD 25 mm ² /500 μm/0.5 mil Be/ML XY-HSJ3AMD-E1SP: FAST SDD 25 mm ² /500 μm/0.3 mil Be/ML XY-HSJ3AMD-UOEA: FAST SDD 25 mm ² /500 μm/C1 Window/ML XY-HSJ3AMD-E6EA: FAST SDD 25 mm ² /500 μm/C2 Window/ML	\$ 6,900 \$ 7,400 \$ 7,400 \$ 7,900
PX5	Digital Pulse Processor, MCA, and Power Supply for use with all Amptek detectors	\$ 5,950
XR-100T-CdTe X-Ray and Gamma Ray Detector		
XR-100T-CdTe	X-Ray and Gamma Ray Detector with Cadmium Telluride (CdTe) Exact part number for ordering: XY-TC2470D-G4BB: CdTe 9 mm ² /1 mm/4 mil Be XY-CC5470D-G4BB: CdTe 25 mm ² /1 mm/4 mil Be	\$ 4,900 \$ 5,800
PX5	Digital Pulse Processor, MCA, and Power Supply for use with all Amptek detectors	\$ 5,950
XR-123 Si-PIN Complete X-Ray Spectrometer		
X-123	Complete X-Ray Spectrometer with Si-PIN Detector Exact part number for ordering: ZY-FSG32MD-G3SP: Si-PIN 6 mm ² /500 μm/1 mil Be/ML ZY-FSG32MD-G2SP: Si-PIN 6 mm ² /500 μm/0.5 mil Be/ML ZY-FS432MD-G3SP: Si-PIN 13 mm ² /500 μm/1 mil Be/ML ZY-FSJ32MD-G3SP: Si-PIN 25 mm ² /500 μm/1 mil Be/ML	\$ 6,900 \$ 7,300 \$ 6,900 \$ 6,900
XR-123 SDD Complete X-Ray Spectrometer		
X-123SDD	Complete X-Ray Spectrometer with Silicon Drift Detector (SDD) Exact part number for ordering: ZY-GSJ3AMD-G2SP: SDD 25 mm ² /500 μm/0.5 mil Be/ML ZY-GSJ3AMD-E1SP: SDD 25 mm ² /500 μm/0.3 mil Be/ML ZY-GSJ3AMD-UOEA: SDD 25 mm ² /500 μm/C1 Window/ML ZY-GSJ3AMD-E6EA: SDD 25 mm ² /500 μm/C2 Window/ML	\$ 9,900 \$10,400 \$10,400 \$10,900
X-123FASTSDD	Complete X-Ray Spectrometer with FAST Silicon Drift Detector (SDD) Exact part number for ordering: ZY-HSJ3AMD-G2SP: FAST SDD 25 mm ² /500 μm/0.5 mil Be/ML ZY-HSJ3AMD-E1SP: FAST SDD 25 mm ² /500 μm/0.3 mil Be/ML ZY-HSJ3AMD-UOEA: FAST SDD 25 mm ² /500 μm/C1 Window/ML ZY-HSJ3AMD-E6EA: FAST SDD 25 mm ² /500 μm/C2 Window/ML	\$10,900 \$11,400 \$11,400 \$11,900



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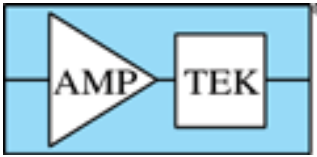
PRICE LIST (continued)

XR-123CdTe Complete X-Ray and Gamma Ray Spectrometer		
X-123CdTe	Complete X-Ray and Gamma Ray Spectrometer with Cadmium Telluride (CdTe) Detector Exact part number for ordering: ZY-TC2470D-G4BB: CdTe 9 mm ² /1 mm/4 mil Be ZY-TC5470D-G4BB: CdTe 25 mm ² /1 mm/4 mil Be	\$ 7,900 \$ 8,800
OEM Detectors		
AXR Si-PIN with PA210 or PA230	Si-PIN AXR detector element with PA210 or PA230 OEM Preamplifier, 1 mil Be window	\$ 3,550
AXRSDD with PA210SDD or PA230SDD	SDD AXRSDD detector element with PA210SDD or PA230SDD OEM Preamplifier, 0.5 mil Be window	\$ 5,550
FAST AXRSDD with PA210SDD or PA230SDD	FAST SDD AXRSDD detector element with PA210SDD or PA230SDD OEM Preamplifier, 0.5 mil Be window	\$ 6,550
Detector Accessories		
Collimators		
EXVC	Collimator Kit for Medical or High Countrate Applications, please specify standard box, EXV5, or EXV9	\$ 1,700
EXVC-W-SPACER	Tungsten (W) spacer/collimator for high energy X-rays above 150 keV, 35mm thick/300µm hole	\$ 550
EXVC-LONG	Long version of EXVC Collimator Kit, can accommodate up to 3 EXVC-W SPACERs ordered separately	\$ 2,200
Vacuum Applications		
EXV5	5 inch detector vacuum extension for the XR-100 or X-123 (add to cost of detectors above)	\$ 800
EXV9	9 inch detector vacuum extension for the XR-100 or X-123 (add to cost of detectors above)	\$ 1,200
CP75	Vacuum feedthrough coupling on 2.75" SS Conflat (for use with EXV5/9); metric equivalent DN40CF	\$ 250
9DVF	9 Pin D-Vacuum Feedthrough Connector on a 2.75" SS Conflat; metric equivalent DN40CF	\$ 300
TF3	3 foot vacuum cable (XR-100 to 9DVF)	\$ 75
ACH-403 (includes ACH-442	5 foot, 9 Pin D to 6-pin Lemo cable (9DVF to PX5). Includes ACH-442 Gender Changer	\$ 150
Other		
MP1	XRF Mounting Plate for use with XR-100 or X-123 detectors with the Mini-X x-ray tube	\$ 395
PA-210 Housing	Housing for the PA-210 preamplifier	\$ 100
PA-230 Housing	Housing for the PA-230 preamplifier	\$ 100
Complete OEM Packaged Systems		Contact Amptek for Pricing
Experimenter's XRF Kit		Contact Amptek for Pricing
X-Ray Generators		
COOL-X	X-Ray Generator with Pyroelectric Crystal	\$ 2,600
Mini-X-Ag	Miniature X-Ray Tube and Controller with Silver (Ag) Target	\$ 6,500
Mini-X-Au	Miniature X-Ray Tube and Controller with Gold (Au) Target	\$ 6,500
Mini-X-OEM	OEM Miniature X-Ray Tube	Contact Amptek for Pricing
CP125	Vacuum feedthrough coupling on 2.75" SS Conflat (for use with Mini-X)	\$ 300



PRICE LIST (continued)

Digital Pulse Processors		
DP5	Enhanced Digital Pulse Processor for OEMs	Qty 1 price \$3,000 Qty 100 price \$900 (call for additional OEM pricing)
PC5	XR100 Power Board for use with the DP5 (NOTE: The PC5 provides the power supplies for Amptek detectors. It is not required with the DP5 if the DP5 is used with non-Amptek detectors.)	Qty 1 price \$500 Qty 100 price \$350
DP5G	Digital Pulse Processor with PCG power and connector board for OEMs for use with Scintillation Detectors.	Qty 1 price \$3,000 Qty 100 price \$900 (call for additional OEM pricing)
PX5	Enhanced Laboratory Digital Pulse Processor, MCA, and Power Supply for use with all Amptek detectors and other manufacturers' detectors	\$ 5,950
PX5-HPGe	Digital Pulse Processor and Power Supply for High Purity Germanium Detectors (HPGe)	\$ 7,900
PX5 Digital I/O Breakout Cable	PX5 Digital I/O 15-Pin Breakout Cable	\$ 300
DP4/PX4 Firmware Upgrade	DP4/PX4 firmware upgrade for Windows Vista 64-bit and Windows 7 64-bit See this web site for more information or contact Amptek.	\$ 300
Multichannel Analyzers 'POCKET MCA'		
MCA8000D	MCA8000D multichannel analyzer, AC Power Adapter, BNC signal cable (1 meter length), USB cable, RS232 cable, Software Installation CD. For use in nuclear instrumentation applications.	\$ 3,500
MCA8000D Option PA	All MCA8000D contents (see above) PLUS modification to facilitate airborne and suspended particle sizing (100k input impedance), NIST traceable calibration and certificate. For use in airborne and suspended particle applications only. Not for use in nuclear instrumentation applications.	\$ 3,900
Option PA Calibration	Periodic calibration for Option PA as required (recommended every 12 months)	\$ 300
MCA8000A Upgrade for USB Converters	Upgrade MCA8000A (discontinued product) for compatibility with USB to RS232 converters. Includes USB to RS232 converter cable. This only applies to MCA8000A serial numbers 3659 and lower. Units with SN#3660 and higher already have this upgrade.	\$ 300
Scintillation Detectors and Electronics		
GAMMA-RAD5	Ruggedized 76 mm x 76 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP5G)	\$ 7,900
GAMMA-RAD5	Ruggedized 76 mm x 152 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP5G)	\$ 8,900
Digital Tube Base for Scintillation Detectors		
TB-5	14 Pin Digital Tube Base for Scintillation Detectors (includes digital pulse processor, HV supply, and computer interface)	\$ 4,900
Software		
XRF-FP	Quantitative Analysis Software for X-Ray Fluorescence (for use with Amptek detectors and electronics)	\$ 2,900
EPXA	Quantitative Analysis Software for Electron Probe Excitation (for use with Amptek detectors and electronics)	\$ 2,900
High Voltage Optocoupler		
HV801	Call for Pricing and Specifications	



PRICE LIST (continued)

HYBRIDS (Includes Amptek High Reliability Screening)

	1 - 24	25 - 49	50 - 99	100+
A101 Charge Sensitive Preamplifier & Discriminator	\$ 415	\$ 395	\$ 370	\$ 325
A111 Charge Sensitive Preamplifier & Discriminator	470	445	420	370
A111F Low Profile SIP A111	495	470	440	385
A121 Preamplifier & Discriminator	540	515	480	420
A203 Charge Sensitive Preamplifier & Shaper	415	395	370	325
A206 Pulse Amplifier & Discriminator	415	395	370	325
A225 Charge Sensitive Preamplifier & Shaper	495	470	440	385
A225F Low Profile SIP A225	520	495	465	405
A250 Charge Sensitive Preamplifier	525	500	470	410
A250CF 'CoolFET' Charge Sensitive Preamplifier	2,450	--	--	--
A250F or A250F/NF Low Profile SIP A250	545	520	485	425
A275 Pulse Amplifier	525	500	470	410
A275FC or A275FN Low Profile SIP A275	545	520	485	425
BLR1 Baseline Restorer	415	395	370	325
PH300 Peak-Hold Detector	1,485	--	--	--

TEST BOARDS FOR HYBRIDS

PC11 Test Board for A101	\$ 90
PC121 Test Board for A121	\$ 90
PC21 Test Board for A111 or A111F	\$ 90
PC236 Test Board for A203 & A206	\$ 90
PC25 Test Board for A225 & A206	\$ 90
PC250 Test Board for A250	\$ 90
PC250F/NF Test Board for A250F or A250F/NF	\$105
PC275 Test Board for A275 & BLR1	\$150