

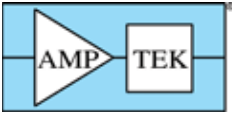
AMPTEK INC. 14 DeAngelo Drive, Bedford, MA 01730-2204 USA
 Tel: +1 781 275-2242 Fax: +1 781 275-3470 Email: sales@amptek.com www.amptek.com

PRICE LIST

FOB: BEDFORD, MA USA,

MASTERCARD, VISA, and AMERICAN EXPRESS Accepted

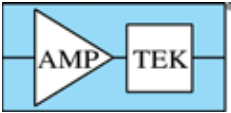
DETECTORS/ELECTRONICS	
XR-100CR X-Ray Detector with Si-PIN, 1 mil Be window 6 mm ² /500 μm 13 mm ² /500 μm 25 mm ² /500 μm	\$ 3,900
XR-100CR X-Ray Detector with Si-PIN, 0.5 mil Be window, 6 mm ² /500 μm	\$ 4,300
PX5 Digital Pulse Processor, MCA and Power Supply	\$ 5,950
PX2CR Power Supply and Amplifier for the XR-100CR with 20 μs shaping	\$ 2,150
AXR/PA210 Detector with Si-PIN, 1 mil Be window with PA210 OEM Preamplifier (not available for 300 μm detectors)	\$ 3,550
AXR/PA230 Detector with Si-PIN, 1 mil Be window with PA230 OEM Preamplifier (not available for 300 μm detectors)	\$ 3,550
PLEASE SEE XR-100CR SELECTION CHART FOR ADDITIONAL ORDERING INFORMATION	
XR-100T-CdTe X-Ray and Gamma Ray Detector with Cadmium Telluride (CdTe) 3 x 3 x 1 mm ³ detector	\$ 3,900
5 x 5 x 1 mm ³ detector	\$ 4,800
PX5 Digital Pulse Processor, MCA and Power Supply	\$ 5,950
Super SDD XR-100SDD X-Ray Detector with Silicon Drift Detector (SDD), 0.5 mil Be window, 25 mm ² /500 μm	\$ 5,900
Super SDD AXRSDD/PA210DD Detector element with PA210SDD OEM Preamplifier, 0.5 mil Be window, 25 mm ² /500 μm	\$ 5,550
Super SDD AXRSDD/PA230DD Detector element with PA230SDD OEM Preamplifier, 0.5 mil Be window, 25 mm ² /500 μm	\$ 5,550
PX5 Digital Pulse Processor, MCA & Power Supply for use with the XR-100SDD	\$ 5,950
COMPLETE X-RAY or GAMMA RAY SPECTROMETER	
X-123 Detector and Preamplifier, Digital Pulse Processor and MCA, and Power Supply Si-PIN, 1 mil Be window, see above for available sizes	\$ 6,900
Si-PIN, 0.5 mil Be window, 6 mm ² /500 μm	\$ 7,300
CdTe 3 x 3 x 1 mm ³ detector, 4 mil Be window	\$ 6,900
CdTe 5 x 5 x 1 mm ³ detector, 4 mil Be window	\$ 7,800
Super SDD X-123SDD Complete Spectrometer with Silicon Drift Detector (SDD 25 mm ² /500 μm, 0.5 mil Be window)	\$ 9,900
EXPERIMENTER'S XRF KIT	
Experimenter's XRF Kit with Si-PIN	\$15,025
X123 Complete X-Ray Spectrometer (with 6 mm ² /500 μm, 1 mil Be window Si-PIN detector); Mini-X USB Controlled X-Ray Tube; MP1 Mounting Plate; SS316 test sample; XRF-FP Quantitative Analysis Software; complete documentation with step-by-step instructions; and XRF Kit wizard for quick software setup (Price reflects a 10% package discount)	
Experimenter's XRF Kit with SDD	\$17,725
X123SDD Complete X-Ray Spectrometer (with 25 mm ² /500 μm, 0.5 mil Be window SDD detector); Mini-X USB Controlled X-Ray Tube; MP1 Mounting Plate; SS316 test sample; XRF-FP Quantitative Analysis Software; complete documentation with step-by-step instructions; and XRF Kit wizard for quick software setup (Price reflects a 10% package discount)	
Please contact Amptek for other detector options including thinner Be windows.	



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PRICE LIST (continued)

XR-100 and X-123 ACCESSORIES	
Collimators	
EXVC Collimator Kit, please specify standard 1.5" extension box, EXV5, or EXV9	\$ 1,700
EXVC-W-SPACER Tungsten (W) spacer/collimator for high energy X-rays, 35 mm thick/300 µm hole	\$ 550
EXVC-LONG Long version of EXVC Collimator Kit, can accommodate up to 3 EXVC-W-SPACERS ordered separately	\$ 2,200
For Vacuum Applications	
EXV5 5 inch detector vacuum extension	Add to cost of detectors above \$ 800
EXV9 9 inch detector vacuum extension	Add to cost of detectors above \$ 1,200
CP75 Feedthrough Coupling on 2¾ inch SS Conflat (for use with EXV9)	\$ 250
9DVF 9 Pin D-Vacuum Feedthrough Connector on a 2¾ inch SS Conflat	\$ 300
TF3 3 foot vacuum cable (XR-100 to 9DVF)	\$ 75
CF5 5 foot, 9 Pin D extension cable (9DVF to PX2)	\$ 75
Other	
PA-210 Housing Housing for the PA-210 preamplifier	\$ 100
PA-230 Housing Housing for the PA-230 preamplifier	\$ 100
X-RAY SOURCES	
Mini-X X-Ray Tube, High Voltage Power Supply, and USB Controller (Silver (Ag) or Gold (Au) Transmission Target)	\$ 6,500
CP125 Feedthrough Coupling on 2¾ inch SS Conflat (for use with Mini-X)	\$ 300
MP1 XRF Mounting Plate for use with XR-100 or X-123 detectors with the Mini-X x-ray tube	\$ 395
COOL-X X-Ray Generator with Pyroelectric Crystal	\$ 2,600
MCA8000A 'POCKET MCA'	
MCA8000A Basic Package – for Nuclear Instrumentation	\$ 3,500
MCA8000A, AC power adapter for MCA8000A, two Lemo to BNC signal cables (1 meter length), Null Modem cable (2 meter length), PMCA Software installation disk	
MCA8000A PA Package – for Airborne Particle Sizing	\$ 3,900
MCA8000A Basic Package, modification to facilitate airborne particle sizing, NIST traceable calibration & certificate	
Option PA Calibration Periodic Calibration for Option PA as required (recommended every 12 months)	\$ 300
Upgrade for USB Converters Upgrade for compatibility with USB to RS232 converters. Includes USB to RS232 converter. This only applies to MCA8000A serial numbers 3659 and lower. Units with SN#3660 and higher already have this upgrade.	\$ 300
SOFTWARE	
XRF-FP Quantitative Analysis Software for X-Ray Fluorescence (for use with Amptek X-ray detectors/electronics)	\$ 2,900
DIGITAL PULSE PROCESSOR	
DP5 Enhanced DPP for custom laboratory use or OEMs (100+ price \$900, call for additional OEM pricing)	\$ 3,000
PC5 XR100 Power Board for the DP5	\$ 500
PX5 Digital Pulse Processor, MCA and Power Supply for use with all Amptek detectors and other manufacturers' detectors	\$ 5,950
PX5 Digital I/O Breakout Cable PX5 Digital I/O 15-Pin Breakout Cable	\$ 300
SCINTILLATION DETECTORS AND ELECTRONICS	
GAMMA-RAD5 Ruggedized 76 x 76 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP5)	\$ 6,900
GAMMA-RAD5 Ruggedized 76 x 152 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP5)	\$ 7,900



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	1,980	--	--	--
A250F or F/NF Low Profile SIP A250	545	520	485	425
A275 Pulse Amplifier	525	500	470	410
A275FC or FN 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