

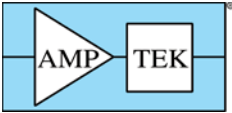
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PRICE LIST

FOB: BEDFORD, MA USA,

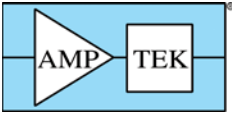
MASTERCARD, VISA, and AMERICAN EXPRESS Accepted

DETECTORS/ELECTRONICS	
XR-100CR X-Ray Detector with Si-PIN, 1 mil Be window	
7 mm ² /300 μm 13 mm ² /300 μm	\$ 2,950
5 mm ² /680 μm 6 mm ² /500 μm 13 mm ² /500 μm 25 mm ² /500 μm	\$ 3,900
Optional 0.5 mil Be window for above (where available)	Add to above prices \$ 400
PX2CR Power Supply and Amplifier for the XR-100CR (6 μs, 12 μs, or 20 μs shaping)	\$ 2,150
PX4 Digital Pulse Processor, MCA and Power Supply	\$ 5,950
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
PX4 Digital Pulse Processor, MCA and Power Supply	\$ 5,950
XR-100SDD X-Ray Detector with Silicon Drift Detector (SDD), 1 mil Be window, 7 mm ² /450 μm	\$ 5,900
Above with 0.5 mil Be	\$ 6,400
Super SDD XR-100SDD X-Ray Detector with Silicon Drift Detector (SDD), 0.5 mil Be window, 25 mm ² /500 μm	\$ 6,900
AXRSDD/PA210DD Detector element with PA210SDD OEM Preamplifier, 1 mil Be window, 7 mm ² /450 μm	\$ 5,550
AXRSDD/PA230DD Detector element with PA230SDD OEM Preamplifier, 1 mil Be window, 7 mm ² /450 μm	\$ 5,550
Super SDD AXRSDD/PA210DD Detector element with PA210SDD OEM Preamplifier, 0.5 mil Be window, 25 mm ² /500 μm	\$ 6,550
Super SDD AXRSDD/PA230DD Detector element with PA230SDD OEM Preamplifier, 0.5 mil Be window, 25 mm ² /500 μm	\$ 6,550
PX4-SDD 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	
All X-Ray Detectors with Si-PIN, 1 mil Be window	\$ 6,900
All X-Ray Detectors with Si-PIN, 0.5 mil Be window	\$ 7,300
CdTe 3 x 3 x 1 mm ³ detector, 4 mil Be window	\$ 8,850
CdTe 5 x 5 x 1 mm ³ detector, 4 mil Be window	\$ 9,750
X-123SDD Complete Spectrometer with Silicon Drift Detector (SDD 7 mm ² /450 μm, 1 mil Be window)	\$ 9,900
Above with 0.5 mil Be	\$10,400
Super SDD X-123SDD Complete Spectrometer with Silicon Drift Detector (SDD 25 mm ² /500 μm, 0.5 mil Be window)	\$10,900
EXPERIMENTER'S XRF KIT	
Experimenter's XRF Kit System 1	\$19,245
XR-100CR X-Ray Detector (with 6 mm ² /500 μm, 1 mil Be window Si-PIN detector); PX4 Digital Pulse Processor, MCA and Power Supply; 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	
Experimenter's XRF Kit System 2	\$16,295
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	
Please contact Amptek for other detector sizes and pricing	



PRICE LIST (continued)

XR-100 and X-123 ACCESSORIES	
Collimators	
EXVC Collimator Kit, please specify standard 1.5" extension box 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 Tungsten (W) Transmission Target)	\$ 6,500
CP100 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
Eclipse-IV X-Ray Tube and Controller (Rodium (Rh) Transmission Target)	\$ 6,500
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)	\$ 2,500
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
PX4 Digital Pulse Processor, MCA and Power Supply for use with all Amptek detectors and other manufacturers' detectors	\$ 5,950
PX4 Digital I/O Breakout Cable PX4 Digital I/O 15-Pin Breakout Cable	\$ 300
SCINTILLATION DETECTORS AND ELECTRONICS	
GAMMA-RAD Ruggedized 76 x 76 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP4)	\$ 6,900
GAMMA-RAD Ruggedized 76 x 152 mm NaI(Tl) Scintillation Detector & Digital Pulse Processor (DP4)	\$ 7,900



PRICE LIST (continued)

HYBRIDS (Includes Amptek High Reliability Screening)

	1 - 24	25 - 49	50 - 99	100+
A101 Charge Sensitive Preamplifier & Discriminator	\$ 375	355	330	290
A111 Charge Sensitive Preamplifier & Discriminator	425	400	375	330
A111F Low Profile SIP A111	450	425	400	350
A121 Preamplifier & Discriminator	490	460	430	380
A203 Charge Sensitive Preamplifier & Shaper	375	355	330	290
A206 Pulse Amplifier & Discriminator	375	355	330	290
A225 Charge Sensitive Preamplifier & Shaper	450	425	400	350
A225F Low Profile SIP A225	470	445	415	365
A250 Charge Sensitive Preamplifier	475	450	420	370
A250CF 'CoolFET' Charge Sensitive Preamplifier	1,800	--	--	--
A250F or F/NF Low Profile SIP A250	495	470	435	385
A275 Pulse Amplifier	475	450	420	370
A275FC or FN Low Profile SIP A275	495	470	435	385
BLR1 Baseline Restorer	375	355	330	290
PH300 Peak-Hold Detector	1,350	--	--	--

TEST BOARDS FOR HYBRIDS

PC11 Test Board for A101	\$ 70
PC121 Test Board for A121	\$ 70
PC21 Test Board for A111 or A111F	\$ 70
PC236 Test Board for A203 & A206	\$ 70
PC25 Test Board for A203 & A206	\$ 70
PC250 Test Board for A250	\$ 70
PC250F/NF Test Board for A250F or A250F/NF	\$ 85
PC275 Test Board for A275 & BLR1	\$115