

XR-100CR, 20 mm² x 680 μm X-Ray Detector

The XR-100CR 20 mm² x 680 μm Si-PIN thermoelectrically cooled detector is the latest addition to Amptek's successful line of X-Ray detectors that have revolutionized the industry. With a large 20 mm² detection area and the high efficiency of 680 μm thickness, this detector system combines high performance and practical, cost effective solutions to many applications.

Features

- Large Area 20 mm²
- High Efficiency 680 μm thick
- 200-240 eV FWHM Resolution @ 5.9 keV (20μs)
- P/B Ratio: 1100/1
- 1,0 mil Be window
- No Liquid Nitrogen
- Internal Silver (Ag) Collimator
- optional internal Multilayer Collimator
(The base metal is 100 μm of tungsten (W), the first layer is 35 μm of chromium (Cr), the second layer is 15 μm of titanium (Ti), and the last layer is 75 μm of aluminum (Al))

Applications

- X-Ray Fluorescence
- OEM and Process Control
- Research and Teaching
- Nuclear Medicine
- Environmental and Nuclear Plant Monitoring

[Price Info / Quotation / Questions](#)