



# Eclipse IV

## X-Ray Source – Laboratory Version



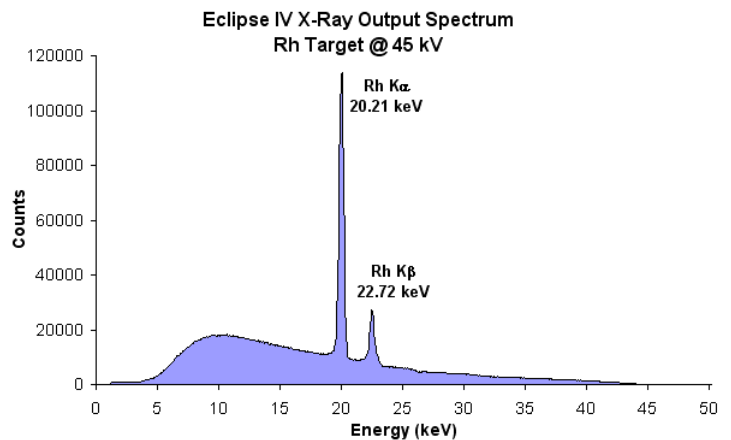
Radiation Shielded Package

Eclipse represents a novel approach to X-ray generation with the utilization of a combination of technologies which afford high performance in a compact package. Optional controller provides X-ray On/Off switch, operation LEDs, and kV/µA monitor control displays. Designed for either continuous or stop/start operation, Eclipse IV is well suited for a number of applications including RoHS, spectroscopy, thickness gauging and detector calibration.

### Specifications

Feature	Units
Max Anode Current	50 µA (2.25 W)
Max Anode Voltage	45 kV
Power	80-240 V AC
kV Control	10-45 kV
µA Control	5-50 µA
Stability	≤ 1% RSD
Radiation Leakage	< 1 µ Sv/hr @ 10 cm
Focal Spot Size	<2 mm typical
Anode Material	Ag, Rh
Anode Type	Transmission
Cone Angle	130°
Cathode Type	Low power thermionic
Dimensions	6.7" x 1.5"
Weight	332 g

*Spectrum output using PIN diode detector*



**Warning:** This tube produces X-rays through the output port and must only be used in a suitable radiation shielded enclosure or test chamber.

