

# 35 $\mu$ mスポット シールド付きX線管

## Series 5000 Apogee Packaged x-ray Tubes



Oxford Instruments' Series 5000 Apogee is a highly popular and proven side-window x-ray tube. Currently in use for many industrial applications with special emphasis on x-ray imaging applications, the 5000 series features an electron gun assembly capable of producing very small focal spots.

The tube is operated in a positive anode mode with the filament grounded. The standard exit window is 0.005 inch Be, and many different target materials are available.

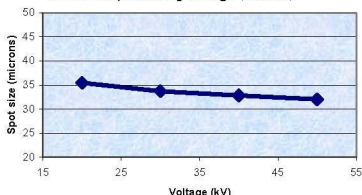
To achieve a nominal 35 micron focal spot\*, the Apogee should be used with the Oxford Instruments 5000G high voltage power supply. The recessed Be window allows for 17 mm x-ray focal spot to window distance making this x-ray tube highly suited for use with x-ray optics.

The Apogee is a variable focus x-ray tube allowing for ultimate consistency in x-ray focal spot from x-ray tube to x-ray tube.

### Specifications

Anode current	0 to 1.0mA
Anode (target) voltage	4kV to 50kV
Maximum power	50 watts continuous
Filament voltage	2.2V @ 50kV/1.0 mA
Filament current	1.7 amps
Stability	0.2% over 4 hours
Focal spot size (nominal)*	35 microns*
Target material	Choice of W, Mo, Cu
Dimensions	163.4 mm length by 69.8 mm diameter
Weight	4 lbs (1816 grams)
Cooling method	Forced air (140 CFM)
Matching Power supply	OI 5000G 50kV/1mA
Cone angle	24 degrees

Minimum spot size by voltage (@ 30 W)



\*per IEC336, JISZ47045, NEMA XR5



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