

Series 5000/HP

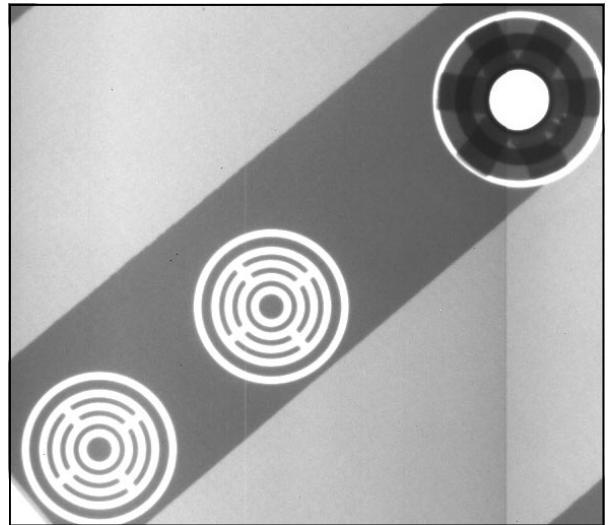
Unpackaged X-Ray Tubes



Oxford Instruments' series 5000 TF5011 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.

Specifications : TF5011/HP

Anode current	0 to 1.0 mA
Anode (target) voltage	4kV to 50kV
Maximum power	50 watts continuous
Filament voltage	2.0V @ 50kV/1mA
Filament current	1.7 amps
Stability	0.2% over 4 hours
Focal spot size (nominal*)	47 μ m*
Anode material	W, 12 degree
Exit window	Be: 125 μ m
Dimensions	3.3" x 1.2" approx.
Weight	.25 lbs (550 grams)
Cooling method	Oil immersion



*nominal per IEC336, JISZ47045, NEMA

Maximum oil temperature not to exceed 75 degrees Celsius.

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

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