

PACKAGED X-RAY TUBE [Stainless Steel Housing]

Ideally suited for end users wanting a plug and play solution. Our packaged tubes are fully radiation shielded, high voltage isolated and includes a high voltage cable and a filament supply cable. Our packaging has been designed to provide maximum thermal properties enabling continuous operation, without compromise.

Product Characteristics:

The ISP50ST is a kind of multi-purpose side beryllium window X-ray tube housing, which can replace the major imported & branded products. Stainless steel shell package, assembly with insulating oil for high voltage insulation and cooling. The anode of this X-ray tube housing is connected to high voltage, and the cathode and window are grounded.

Applications:

It is widely used in RoHS detection, X-ray fluorescence analysis, X-ray transmission analysis, densitometric analysis, X-ray imaging, on-line process control and other scientific research fields and industrial sectors. Mainly used for PCB industry detection, all kinds of drilling target machines, and X-ray fluorescence based coating thickness measurements.

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ISP50ST		
Project	Parameter	Standard
Nominal X-ray tube voltage	50kV	IEC 60613-2010
Maximum tube current	1mA	
Maximum anode input power	50W	
Maximum filament current	1.7A	
Filament voltage	2.0~2.5 V	
Focal spot size	50μm, 70μm, 100μm	EN12543-1999
Target material	Tungsten, Molybdenum, and Rhodium etc.	
Inherent Filtration	100μm Be, 200μm Be	IEC60522-1999
Core Beam Angle	24°	
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Note:

RADIATION PROTECTION — When installing the X-ray tube assembly into X-ray equipment and/or operating X-ray equipment, the responsibility for radiation protection from the X-ray window is with the user. The necessary compliance with local regulatory requirements and limit values must be assured.