

PACKAGED X-RAY TUBE [Brass Housing]

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

Product Characteristics:

The ISP50BT is a multi-purpose side beryllium window X-ray tube housing with a radiation field of 40 degrees. The shell material is Brass and insulation oil is used for high voltage insulation and cooling in the X-ray tube.

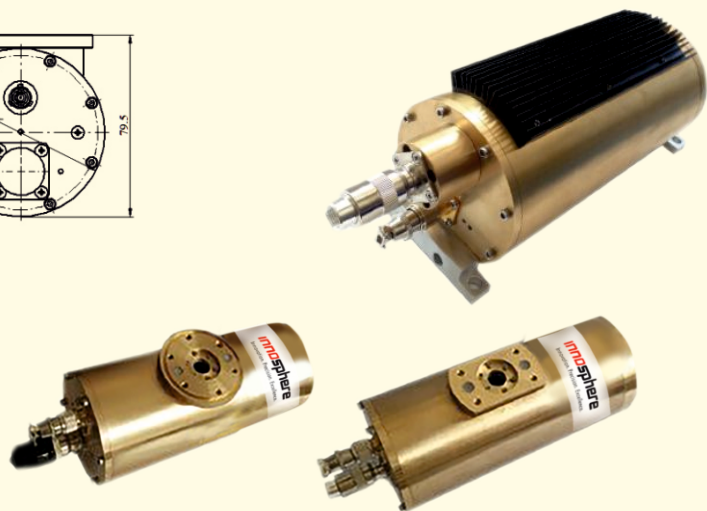
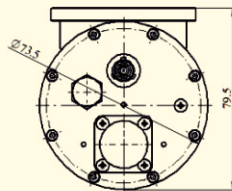
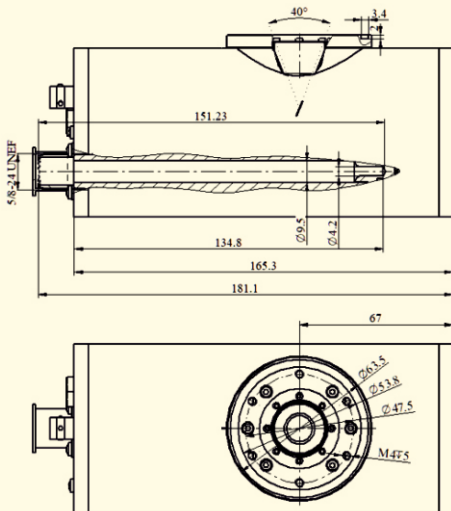
The anode of this X-ray tube housing is connected to high voltage, and the cathode and window are grounded. Brass case improves heat dissipation performance and radiation shielding more effectively.

Applications:

It is widely used in RoHS detection, X-ray fluorescence analysis, X-ray transmission measurements, densitometric analysis, X-ray imaging, on-line process control and other scientific research field and industrial sectors. Mainly used for PCB industry for non-destructive imaging testing, drilling and coating thickness measurements.

ISP50ST

Project	Parameter	Standard
Nominal X-ray tube voltage	50kV	IEC 60613-2010
Maximum tube current	2mA	
Maximum anode input power	50W	
Maximum filament current	1.8A	
Filament voltage	2.5~3.1 V	
Focal spot size	70μm, or 100μm	EN12543-1999
Target material	tungsten, or molybdenum	
Inherent Filtration	100μm, or 200μmBe	IEC60522-1999
Core Beam Angle	40°	



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.