

THX 180

Monopolar X-ray tubes

New

- Water-cooled anode
- 180 kV operating voltage
- Compact and easy plug-in
- Robust design for long life expectancy
- Fully compatible with most generators



THALES



THX 180

The THX 180 X-ray monopolar tube is based on Thales advanced metal-ceramic technology. The ceramic's dielectric strength provides a high reliability and a long life expectancy within a compact and light design to facilitate OEM integration.

Featuring a water-cooled anode and a tungsten cathode with direct heating, the THX 180 tube generates 2 700 W of high-energy X-rays with a 1.5 mm focal spot.

It is dedicated to security applications including, baggage screening and explosive detection systems (EDS).

The THX 180 includes the tube itself with the cable.

All these products are designed, developed and manufactured at an ISO 9001: V2000 and ISO 14001 certified production facility.

General characteristics

Nominal voltage	180	kV	max.
Focal spot size (1)	1.5	mm	
Power	2 700	W	max.
Filament current	3.8	A	max.
Filament voltage (2)	4.5 to 5.5	V	typ.
Inherent filtration	1	mm Cu	
Target material	tungsten		
Target angle	21	°	
Cooling water flow	4	l/min	min.
Water temperature at inlet	35	°C	max.
Radiation coverage	85 x 14	°	

Mechanical characteristics

Weight with cable	21	kg
Cable length	1.5	m

(1) GOST (Russia)

(2) At If max. The filament voltage at maximum filament current will vary from tube to tube.

The precise value for each tube is supplied on the tube labeling.



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