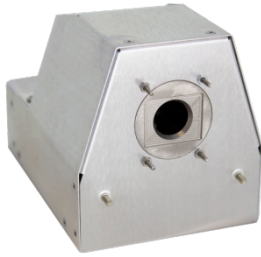
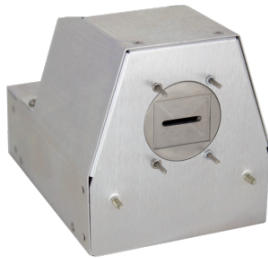


MOX140G®

140kV cone and fan beam sources



TUB00202 MOX140G® cone beam



TUB00205 MOX140G® fan beam

Applications

- X-ray imaging (CT), fluorescence (XRF) and diffraction (XRD)
- Industrial and laboratory X-ray applications
- Metal and alloy sorting
- Medical and small animal imaging
- Backscatter imaging
- Security and radiographic inspection
- Fluoroscopy and radiography

MOXTEK MOX140G® X-ray sources are ideally configured for backscatter and traditional imaging. Both cone and fan angle configurations with W target are available.

MECHANICAL SPECIFICATIONS

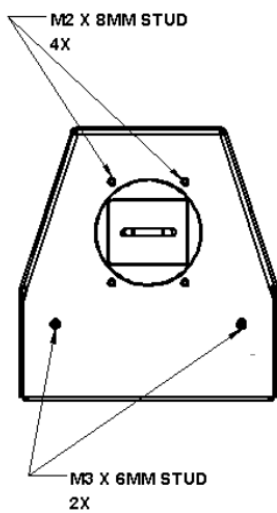
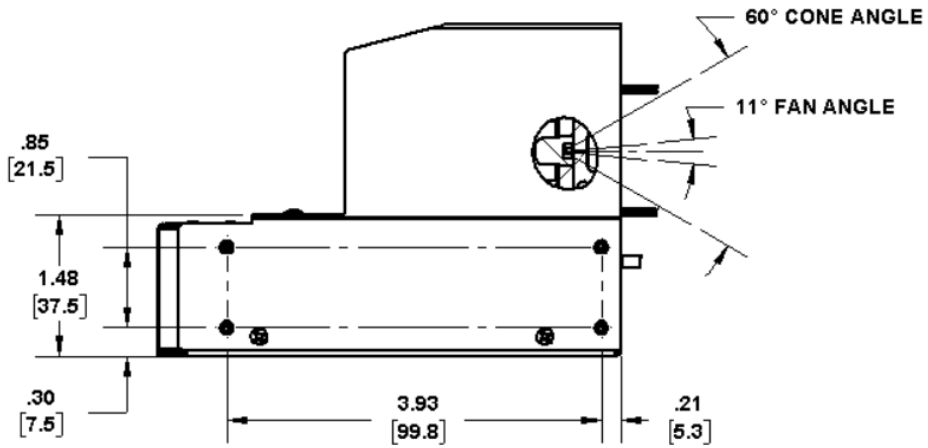
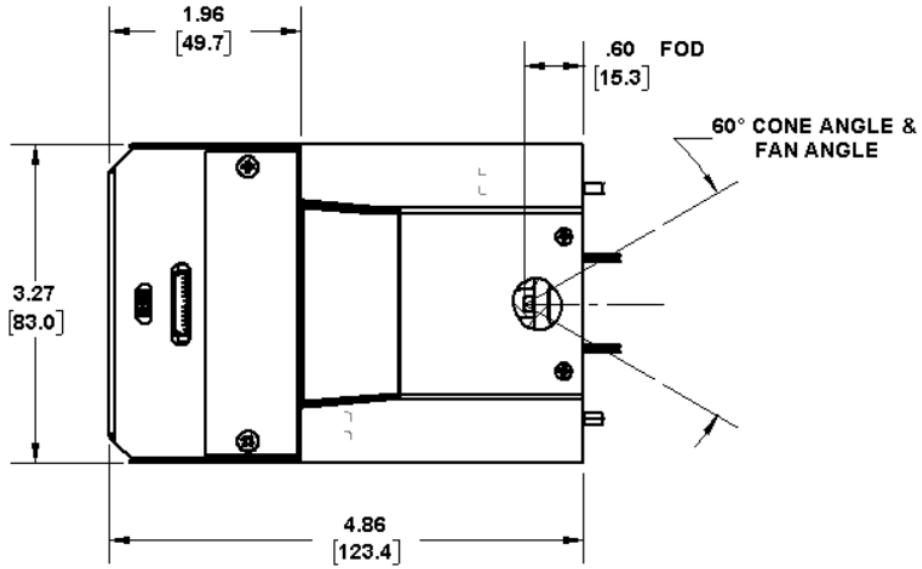
Tube type: metal-ceramic
Operating temperature: -10°C to +50°C
Storage temperature: -30°C to +65°C
Cooling: forced air (as needed)
Weight: ~2.0 kg

TECHNICAL SPECIFICATIONS

Target: W (equipped with 25 µm W window)
HV polarity: bi-polar
Anode: transmission window
High voltage: up to 140 kV
Maximum power: 7 W
Maximum running operation: 30 sec @ 7W
Focal spot: 0.5 mm (typical)
Focal spot to object: 14.4 mm
Cone angle: solid cone (TUB00202)
Fan angle: 60° (TUB00205)
Control: digital I ² C, input power 15 W
Maximum radiation leakage: 1.0 mR/h @ 5 cm
Average lifetime: 1 year of typical usage

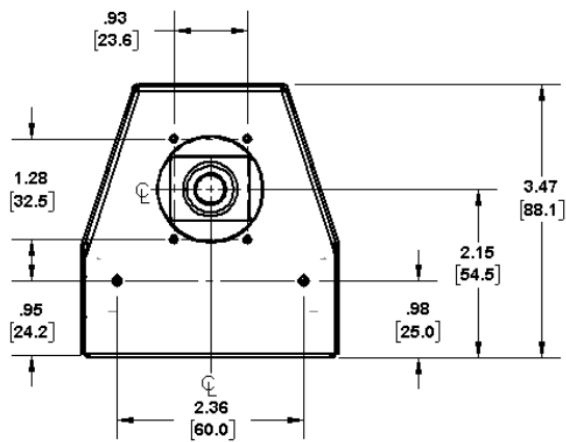
Notes

- MOXTEK recommends a warm-up period of 10 minutes before running below 0°C.
- It is up to the end user to make sure there is adequate protection for the radiation leakage



FAN BEAM COLLIMATER

1.02 X .82 RECESS X .03 DP



CONE BEAM COLLIMATER