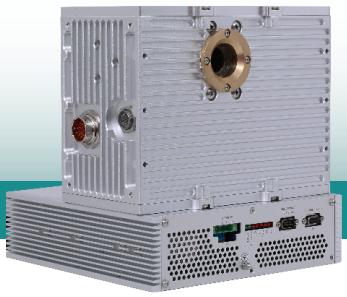
IXS1050
100 kV, 500 W



Multipurpose Source For Medical Imaging

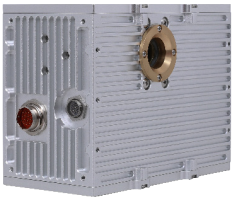
Applications

Dental CT, Panoramic Dental, Medical Research

Key Features

- Ideal for panoramic dental and CBCT applications
- Integrated High Voltage Generator, X-ray Tube, and Control Electronics
- Radiation Shielded
- User Friendly RS232 Digital Interface

Specifications	
Input Line Range	220 VAC ±10%, 50/60 Hz
Output kV	40 - 100 kV
Output mA	2.0 - 10.0 mA
Output Power	150 W continuous maximum 500W peak power up to 1 kW peak also available
Voltage Regulation	Load: <0.1% at max kV output over the output mA range Line: <0.1% at max kV output over the input line range
Current Regulation	Load: <0.5% at max mA output over the output kV range Line: <0.5% at max mA output over the input line range
Ripple	kV: <0.5% p-p of maximum output mA: <0.5% p-p of maximum output
Stability	kV: ± 1.0% mA: ± 1.0%
Overshoot	kV: ≤5% of rated output
Output Rise Time	kV Rise Time <200 msec to within 1% of selected value
Cooling	Air Cooled
Radiation shield	Less than 1 mGy/hr at 1 m from the surface of the chassis per 21CFR 1020.40
Safety and Regulatory Compliances	Designed to meet CE, EN60601-1-3,CFDA, EN60601-1,EN60601-2-2,EN60601-1- 3 EN60601-2-7,EN60601-2-63

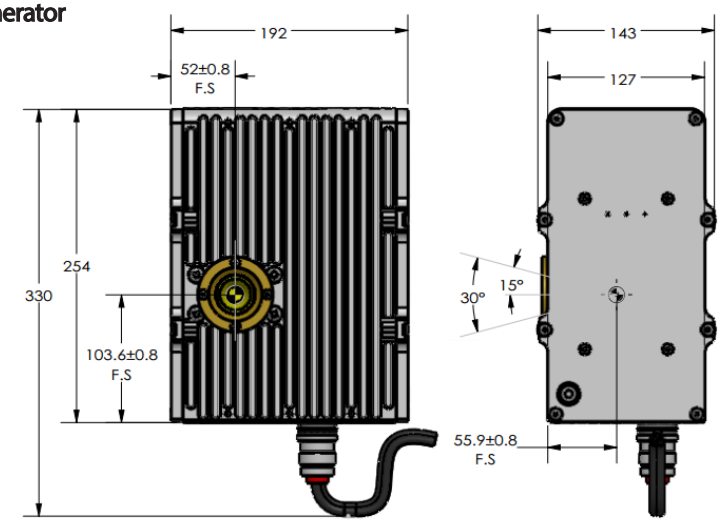


Cone Beam X-ray Generator

Control Unit

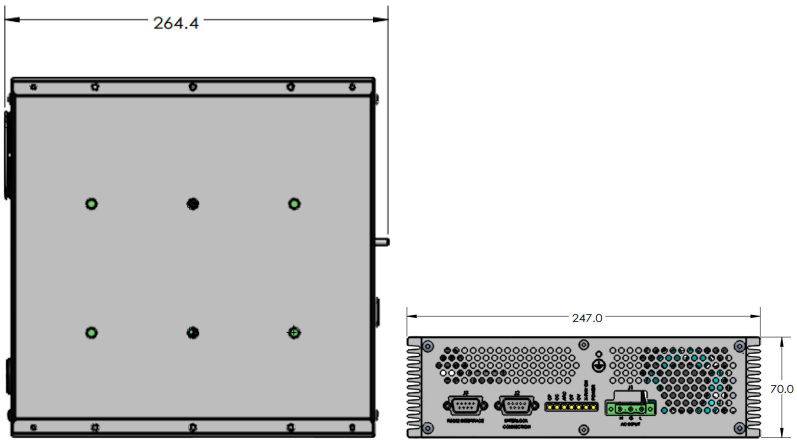
Dimensions	Generator: 254mm x 192mm x 143mm Control unit: 264mm x 247mm x 70mm
Weight	Generator: 12 kg Control unit: 3 kg
X-ray Tube	
X-ray Tube Type	Glass
X-ray Focal Spot Size	0.4 nominal as per IEC60336 (Option for 0.2 FS with Limited Power)
Beam Port	Cone beam: 30°
Operating Environment	
Operating Temperature	5°C to 40°C
Storage Temperature	-20°C to 80°C
Thermal Cut Off	60°C ± 3°C of oil temperature
Humidity	98% non-condensing

Generator



Unit: mm

Control Unit



Unit: mm

Graphical User Interface

LED Indicators

OP	Over Power fault
OC	Over current fault
ARC	ARC-ing fault
OT	Illuminated when oil temperature exceeds 60±3°C.
OV	Over voltage fault
X-RAY ON	Illuminated when interlock is closed and HV is enabled
POWER	Illuminated when power is present

J1: AC Input

N	Neutral
GND	Ground
L	220 VAC ±10% Input

J2: Interlock

Pin Out	Name
1	Interlock out
2	Interlock In
3	X-ray on relay contact common
4	X-ray on relay contact N/C
5	X-ray on Relay contact N/O
6	N/A
7	N/A
8	N/A
9	N/A

J3: RS232 Interface

Pin Out	Name
1	N/A
2	TX-(Transmit)
3	RX+(Received)
4	N/A
5	Siganl Ground
6	N/A
7	N/A
8	N/A
9	N/A