

CXT Series

Compact X-Ray Tube Heads

CXT-01M1

100kV, 4kW

- COMPACT HIGH VOLTAGE TANK
- HIGH POWER APPLICATIONS
- INTEGRATED X-RAY TUBE
- BUILT IN LEAKAGE SHIELDED
- OIL INSULATED AND COOLED
- METAL TANK
- DSP CONTROLLED
- DIGITAL COMMUNICATIONS
- 200kHz INVERTER
- OEM CUSTOMISATION POSSIBLE



CXT series are powerful yet compact x-ray generators suitable for a variety of mobile x-ray applications. The units are customisable to OEM requirements to meet their size and form factors. The CXT-01M1 is rated for a maximum of 100kV operation with 4kW of power.

The CXT series is digitally controlled by a powerful DSP. It has an intelligent front end converter that limits mains current to less than 15A, maintaining power factor near unity. The unit communicates using advanced digital CAN protocol and can be three point controlled.

TYPICAL APPLICATIONS

- Mobile X-Ray
- Fixed Table X-Ray / Veterinary
- Industrial Inspection
- Security Inspection

OPTIONS

- Universal Input Inverter for CXT series.
- Controller for CXT series.
- Remote PC based controller for CXT series.
- Mobile Stand

This datasheet is preliminary subject to changes

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SPECIFICATIONS

Output Voltage:

Range: 40kV – 100kV (DC)
Ripple: Less than 2% or 2kV at 200kHz
Regulation: Less than 2% (Load/Line)
Accuracy: Better than 3% or 4kV
Rise Time: < 1mS

Output Load

Minimum Load: 100W
Maximum Load: 4000W
Continuous Load: 100W

Input Ratings

Voltage Range: 110V / 230V (Automatic)
Maximum Current: 15A (at 110V) 15A (at 230V)

Mechanicals (Tube Head)

Dimensions: 295x245x85 (mm)
Weight: 14kg
Tank: Aluminium

Environment

Storage: - 40°C to 70°C
Operating: 10°C – 50°C
Humidity: 90% max (non-condensing)

Contact us for further details

