

Excellence in X-Ray Imaging

ALERIO Maestro 300i

FIXED X-RAY SYSTEM



DC HIGH FREQUENCY FIXED X-RAY

16kW 40-125kV 320mA 350mAs

- » Absolute
- » Accurate
- » Advanced



Designed, Developed & Manufactured by:

IATOME ELECTRIC (I) PVT LTD,
COIMBATORE, INDIA - 641049

Enquiry & Sales in West Bengal:

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DISCLAIMER: All information, images and data provided in this document are preliminary and provisional

ALERIO Maestro 300i is a powerful and state of the art Fixed X-Ray System for general radiographic procedures. ALERIO Maestro 300i employs High Frequency DC Output Generator Technology and Rotating Anode X-Ray Tube. High operation duty cycle for any type of x-ray procedures is possible. The Maestro 300i x-ray system delivers crystal-clear radiography images for accurate and reliable diagnosis.

ALERIO Maestro 300i's Dual Focal Spot Rotating Anode Tube adaptively selects the Small or Large focus depending on the load factors and usage. The selection is optimized to select the Small Focus for most settings as it provides the best images. This system is powered from a 3-Phase mains power input. The simple user interface console with 400 Anatomical Programs is designed specifically for ease of use by technicians. The unit is ceiling free and comes with Floor Mounted tube stand and Fixed Bucky Table as LX Model or as HX Model with optional 4-way Floating Table and Swiveling X-ray Tube arm all with Electromagnetic locking system for fine and easy positioning or with Detector Safety Stand with Mobile Table as Economic Full Room DR System.

GENERAL SPECIFICATIONS

Output kV Range	40 kV - 125 kV
Maximum mA	320 mA
Maximum mAs	350 mAs
Peak Power	16kW
Exposure Time Range	0.005s - 5.0s
Input Power	3 Phase, 440VAC, 50Hz, with Neutral
Focal Spot	Small focus 1.0mm, Large focus 2.0mm
Collimator	125kV Manual control
Generator Type	HF Inverter with DC Output
Leakage Radiation	<1mGy in 1 hour at 125kV
Total Filtration	1.0 mm AL
Tube Stand	Ceiling free floor mounted Tube Stand with optional Electromagnetic locking
Table options	Fixed or Mobile Bucky Table, or 4-way floating table with Electromagnetic locking
Exposure Control	Wired / Remote Switch
Anatomical Programs	Factory / User Programmable

SALIENT FEATURES

- High Performance X-Ray System
- Dual Focal Spot Rotating Anode tube
- Optional 4-way Floating Table
- Optional Electromagnetic Locking System
- 400 Anatomical Programs

SAFETY FEATURES

- Circuit breaker for mains isolation
- Low Leakage Radiation
- Active Over-Load Protection
- Adaptive Cooling Period
- Digital Closed-Loop Control



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