

System Specifications & Site Requirements



System Specifications – Axxent Controller

Line Power	100 -240V; 150VA
Circuit Breaker Rating	2A (100 -240 V)
Ion Chamber Manufacturer/Model	Standard Imaging/HDR 1000 Plus with Xoft Insert
Electrometer Manufacturer/Model	Standard Imaging/MAX 4000
High Voltage Output of Controller	50kV, 45kV, 40kV @ 300µA
Filament Drive	7V @ 2A
Service Life	5 years (minimum)
IEC Standard	60601-2-8/2010, 60601-2-17/2013

*Controller is certified by Intertek

Environmental Specifications

Storage Temperature	15 °C to 30 °C – If the unit has been stored outside those ranges, it should be gradually returned to the operating temperature range before use and stabilized for one hour before operation
Relative Humidity (Storage)	10% to 100%, non-condensing
Relative Humidity (Operation)	10% to 90%, non-condensing
Operating Temperature	15 °C to 30 °C

Low-Frequency Leakage (50/60 Hz):

Source Current, Patient Leads, All Outputs Tied Together

Normal Polarity, Intact Chassis Ground	<10 µA
Normal Polarity, Ground Open	<10 µA
Reverse Polarity, Ground Open	<10 µA
Sink Current, 120 V Applied, All Inputs	<10 µA
Chassis Source Current, Ground Open	<100 µA



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Emissions Test

RF Emissions	CISPR 11, Group 1, Class A
Harmonic Emissions	IEC 61000-3-2
Voltage Fluctuations/Flicker emissions	IEC 61000-3-3
Voltage dips, short interruptions and voltage variations on power supply input lines	IEC 61000-4-11
Power frequency (50/60 Hz) magnetic field	IEC 61000-4-8

Immunity Test

Conducted RF	IEC 61000-4-6
Radiated RF	IEC 61000-4-3
Electrostatic discharge (ESD)	IEC 61000-4-2
Electrical fast transient/burst	IEC 61000-4-4
Surge	IEC 61000-4-5

Loading Dock/ Delivery Ramp Requirements:

Dimensions without crate:	Dimensions with crate:
• Height – 52 in	• Height – 63 in
• Width – 21 in	• Width – 37 in
• Depth – 31 in	• Depth – 55 in
• Weight – 202 lb	• Weight – 300 lb

Computer Requirements:

- Single CPU or dual core CPU 2.4 GHz (or higher)
- Minimum display resolution 1024 x 768
- Windows XP, Windows 7, Windows 8.1 and Windows 10 Operating Systems
- CD drive
- Available USB port
- Administrative privileges

Treatment Room Requirements:

- 10' x 12' minimum dimensions
- ~ 15' x 18' recommended dimensions
- Location for rolling shield
- Counter space for documentation and QA Test Fixture
- Imaging system

Treatment Couch Requirements:

- Access from right or left sides
- Adjustable height



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