

**Polaris® X-Ray Generators**  
**X-ray Technology for quality and Safety**



- ✓ Solid Hv cascade enables use in any socket orientation
- ✓ Superior shock and vibration characteristics
- ✓ Greater value than the European imports
- ✓ Smallest, lightest, most powerful generator on the market
- ✓ Most stable & efficient generator on the market
- ✓ Uses no oil for insulation or generator cooling
- ✓ The only 100% field serviceable generator on the market
- ✓ Remote diagnostics capability
- ✓ Fully supported; 24 hrs a day, 7 days per week
- ✓ Manufactured in the USA BY **KIMTRON inc.**

<b>Polaris® X-Ray Generator Specifications</b>				
<b>Generator Models</b>	<b>GNT/160kV</b>	<b>GNT/225kV</b>	<b>GNT/320kV</b>	<b>GNT/450kV</b>
<b>Output</b>				
DC Output Voltage	0-160kV	0-225kV	0 +/- 160kV	0 +/- 225kV
Max Output Current	30mA	30mA	30mA	30mA
Max Output Power	3kW	3kW	4.2kW	4.2kW
Polarity	Negative	Negative	Bi-Polar	Bi-Polar
Efficiency	>85%	>85%	>85%	>85%
Ripple/Noise (peak-to-peak)	0.1% (160Vpp)	.015% (338Vpp)	0.1% (320Vpp)	0.15% (675Vpp)
<b>Input</b>				
Voltage Range (+10/-15%)	230VAC	230VAC	230VAC	230VAC
Current Supply	25A	25A	25A	25A
Control AC Input Current	6A	6A	6A	6A
Number of Phases	1	1	1	1
Line Frequency	47-63Hz	47-63Hz	47-63Hz	47-63Hz
<b>Customer Interface</b>				
HV	R-24 Cable	R-28	2x R-24	2x , R-28
Remote Control Interface	Analog/RS232	Analog/RS232	Analog/RS232	Analog/RS232
Control AC Input	IEC Inlet	IEC Inlet	IEC Inlet	IEC Inlet
<b>Mechanical/Environmental</b>				
Dimensions	W 48.25cm	W 48.25cm	W 48.25cm (x2)	W 48.25cm (x2)
	H 26.7cm	H 44.5cm	H 26.7cm	H 26.7cm
	L 61cm	L 80cm	L 61cm	L 80cm
Weight	68 Kg	113.5 Kg	122.5 Kg	215.5 Kg
Operating Temperature	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C
Humidity (non-condensing)	5 to 95%	5 to 95%	5 to 95%	5 to 95%