

ULTRA COMPACT ZERO NOISE X-RAY SUPPLY

DXM600W

Sortech supplies the DXM Series of X-ray generators. The DXM X-ray supply is an ultra-compact and lightweight X-ray supply at a very competitive price. With dimensions of 300mm X 150mm X 120mm weighing in at mere 6.4 kg makes it a market leader. They are well regulated high voltage power supplies with output voltages up to 40kV and 15mA. Very low ripple is achieved through the use of advanced resonant conversion techniques. Extremely stable voltage and emission current outputs result in significant performance improvements over previously available technology.

The XLF Series provides power, control and support functions required for X-ray applications including a regulated ac filament supply referenced to the cathode. These units also incorporate local and remote programming, monitoring, and safety interlock, short-circuit and overload protection.

TYPICAL APPLICATIONS

Plastics Sorting
Crystal Inspection
Diamond Inspection



XLF600W SPECIFICATIONS

Input Voltage:	90-264Vac, 47-63 Hertz
Voltage and Current Control:	<p>Local: continuously adjustable from zero to maximum rating via a ten-turn potentiometer.</p> <p>Remote: 0 to +10Vdc proportional from 0 to full output. Accuracy: $\pm 1\%$. Input Impedance: 10MΩ.</p>
Filament:	12 volts @ 5 amps, preheat level is 0.45 amps in standby.
Voltage Regulation:	<p>$\leq 0.01\%$ of rated output voltage over specified input voltage range</p> <p>$\leq 0.01\%$ of rated output voltage for a full load change</p>
Current Regulation:	<p>$\leq 0.01\%$ of rated output current over specified input voltage range</p> <p>$\leq 0.01\%$ of rated output current for a change from 30% to 100% of rated output voltage</p> <p>Filament is disabled when kV is < 30% of full scale output</p>
Ripple:	<p>0.03% rms below 1kHz.</p> <p>0.75% rms above 1kHz.</p>
Temperature Coefficient:	≤ 50 ppm per degree C
Stability:	≤ 25 ppm/hr after a 2 hour warm up
Cooling:	Forced air
Environmental:	<p>Temperature Range:</p> <p>Operating: 0°C to 40°C</p> <p>Storage: -40°C to 85°C</p> <p>Humidity: 20% to 85% RH, non-condensing</p>
Voltage and Current Monitors:	0 to +10Vdc proportional to rated output.
HV Output:	Claymount Mini Federal Standard X-ray connector
I/O Connectors:	<p>USB, Ethernet and RS232 are standard.</p> <p>All digital monitors have an accuracy specification of 2%</p>
Dimensions:	120.65mm x 152.4mm x 304.8mm (H x W x L)





DIMENSIONS (mm)

