Voltex HeNe Laser Power Supply Model S-12-00

The Voltex "S" series of AC input power supplies has been given something new to this industry: Universal Input. They may now be plugged into any standard AC power from 100 to 240VAC without setting any switches. These units, with unmatched reliability, have now set another new standard in the HeNe industry. This lab-style power supply:

- **Operates most 1/2 mW through 2 mW HeNe lasers.**
- **Has universal 100 to 240VAC input.**
- **Is fully CE compliant and labeled accordingly.**
- **Delivers > 85% conversion efficiency for cool operation and long life.**
- **Is packaged in a handsome vinyl-clad steel case.**
- **Has an internal bleed-down resistor to reduce shock hazard.**
- **Has a low-voltage 12VDC safety interlock plug on rear panel.**
- **Has a full 18-month warranty.**

For further information, pricing and delivery, please contact:

Voltex, Inc.
2336 East Platte Ave
Colorado Springs, CO
80909

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Fax: (719) 599-7851
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S-12-00 SPECIFICATIONS

Input:

Input Volts:	115 to 240 VAC +/-10%. 50/60 Hz
Input Current:	.23 Amps at 115VAC, .12A at 230VAC*
Line filtering:	Internal EMI line filter.
Remote plug:	A low voltage removable plug on rear panel allows remote enable/disable

Output:

Voltage:	800-1600 VDC
Current:	3.5 - 7.0 mA. User adjustable.
Start Voltage:	>8 KV
Output Current Ripple:	< 2% P – P (< 1% RMS) **
Output Fault Protection:	Open, Short, Arc
Conversion Efficiency:	> 85%
CDRH Delay:	3 – 7 seconds. (Cut violet loop to disable)
Output Connector:	Alden style, high voltage.

Compliance:

CE compliant.
EN 61010 safety standards.
47 CFR FCC part 15 subpart B.
EN 61326 and ICES-003

Dimensions:

HxWxD:	1.5" x 4.125" x 7.875" (38 X 150 X 200mm)
Enclosure:	Aluminum base, front and rear panels. Vinyl covered steel top in black. Other colors available.

* Input Current varies with line and load.
** Measured current ripple will vary with size of laser and current setting.
*** This safety interlock device operates by interrupting a12VDC signal to an internal relay controlling AC power to the HV power supply module inside.

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