

SL45 HeNe Power Supply



The SL45 HeNe Power Supply from Power Technology is a current regulated, switching mode, dual input voltage power supply for operating helium neon lasers from AC input voltages of 100-130 VAC and 200-260VAC.

This unit provides fully enclosed electronics for protection from dust and moisture. Because the SL45 generates a relatively small amount of heat, it typically does not require heat sinking.

L45 HeNe Power Supply Options

Active Filter - Can be engineered to a customer's specific needs, providing a reduction in ripple. *Option A*

Alden Connector - for use with anode and cathode connections. *Option Z*

Ballast Module - typically a 82KOhm, 7W resistor encapsulated in a tube 0.42" in diameter and 2.0" long; ballast must be less than three inches from the anode of the tube; maximum power that can be dissipated in each module is 3.5W. *Option L*

CDRH Delay - for customers requiring a 3- to 5-second delay in the start of the laser tube. *Option B*

Current Adjust, Internal (X) or External (C) - available with a maximum adjustment range of $\pm 30\%$ from a nominal point.

Decreased Line Voltage - input nominal voltage can go down to 25% lower than the specified nominal with a $\pm 10\%$ line change capability. *Option F*

EMI Shielding - available at customer's request. *Option S*

	SL45D	SL45
Input Current	2.5 - 5kV DC	
Input Voltage	100 - 260VAC	
Output Voltage	1100 - 1800V	1850 - 2800V
Output Current	3 - 6mA	3 - 7.2mA
Starting Voltage	9kV	>10kV
Current Regulation	<2% for $\pm 10\%$ line change	
Maximum Power Out	40W	
Minimum Power Out	20W	
Input Frequency	50 - 400Hz	
Conversion Frequency	>85%	
Temperature	-20° to +50° at heat sink	
Isolation	1500V isolation from AC line to safety ground and output return	
Size	1.13 x 1.55 x 6.05" (28.70mm x 39.37mm x 153.67mm)	
Leads	Mounting holes and leads located at one end	

