



## HCU Series

# Benchtop HeNe Power Supply

### DESCRIPTION

Power Technology's HCU Series Helium-Neon (HeNe) power supply is a current regulated, switching mode, dual input high voltage power supply for operating helium neon lasers from AC input voltages of 100-130 VAC and 200-260 VAC. This benchtop power supply is ideal for laboratory environments. The need for extra wiring has been eliminated in this easy to use, fully enclosed unit. The HCU incorporates important safety features including a key switch emission control, a low voltage remote interlock connector, five-second activation delay and a laser emission indicator LED to add to the ease of use and functionality of the product.

### FEATURES & BENEFITS

- Precision current source for stable optical output
- Low noise operation
- Power on/off key switch
- Emission indicator
- Five-second delay before laser emission
- Remote interlock & connector
- Models to guarantee compatibility with nearly every laser tube on the market

## SPECIFICATIONS

Model Number	B401	B402	B403	B404	B405	B406
Voltage Range (VDC)	1250-2000	1250-2000	3000-3800	2000-2800	3000-3800	3000-3800
Starting Voltage (kVDC)	>8	>8	>10	>10	>12	>12
Output Current (mA)	3.5	5.0	5.25	6.5	6.5	7.0
Current Regulation (mA)	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Input Voltage (VAC)	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260
Input Frequency (Hz)	50-400	50-400	50-400	50-400	50-400	50-400
Conversion Frequency	80%	80%	80%	80%	80%	80%
Temperature (°C)	-20 to +50	-20 to +50	-20 to +50	-20 to +50	-20 to +50	-20 to +50
Size (inches)	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375

Model Number	B407	B409	B410	B411	B412	B413
Voltage Range (VDC)	1600-2100	1250-2000	1250-2000	1250-2000	1250-2000	2000-2800
Starting Voltage (kVDC)	>10	>10	>8	>8	>8	>10
Output Current (mA)	6.5	4.9	4.0	4.5	5.25	5.25
Current Regulation (mA)	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Input Voltage (VAC)	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260	100-130   200-260
Input Frequency (Hz)	50-400	50-400	50-400	50-400	50-400	50-400
Conversion Frequency	80%	80%	80%	80%	80%	80%
Temperature (°C)	-20 to +50	-20 to +50	-20 to +50	-20 to +50	-20 to +50	-20 to +50
Size (inches)	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375	9 X 5.5 X 2.375

Model Number	B414	B415
Voltage Range (VDC)	2000-2800	2200-2800
Starting Voltage (kVDC)	>10	>10
Output Current (mA)	6.0	7.0
Current Regulation (mA)	+/- 0.1	+/- 0.1
Input Voltage (VAC)	100-130   200-260	100-130   200-260
Input Frequency (Hz)	50-400	50-400
Conversion Frequency	80%	80%
Temperature (°C)	-20 to +50	-20 to +50
Size (inches)	9 X 5.5 X 2.375	9 X 5.5 X 2.375

## COMPLIANT & REGISTERED

