

35 mW 632.8 nm (RED) HELIUM NEON LASER MODEL: N-LHP-928J

OUTPUT SPECIFICATIONS

CW Power Output (mW)	> 35.0
Wavelength (nm)	632.8
Transverse Mode	> 90% TEM ₀₀
Polarization	Linear > 500:1
Beam Diameter at 1/e ² Points	1.23 ± 5%
Beam Divergence (mrad)	0.66 ± 5%
Longitudinal Mode Spacing (MHz)	165
Mode Sweeping	< 5%
Long Term Power Drift (8 hrs)	< 5%
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)	< 1%
Warmup to > 95% of Maximum Power (minutes)	< 60
Beam Position Drift From Cold Start (mrad)	N/A
Beam Position Drift After 15 Minute Warmup (mrad)	< 0.03

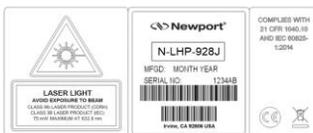
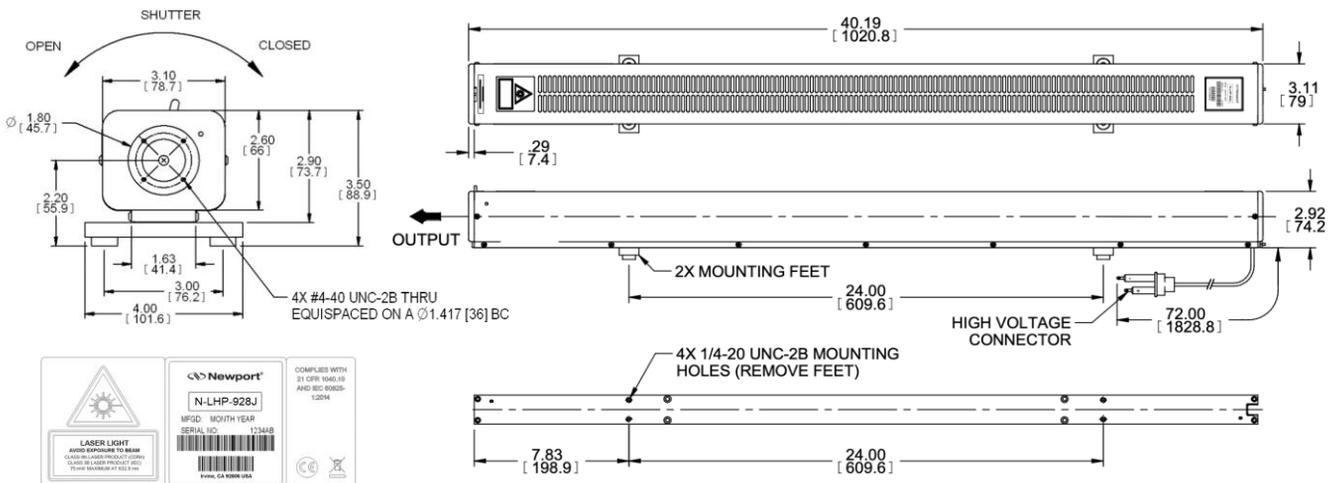
ELECTRICAL SPECIFICATIONS

Start Voltage (kVdc)	< 15
Recommended Operating Current (mA)	8.0 ± 0.2
Operating Voltage (VDC)	5100 ± 100

ENVIRONMENTAL SPECIFICATIONS

	OPERATING	NON-OPERATING
Temperature (°C)	+10 to +40	-40 to +80
Altitude (meters)	0 to 3000	0 to ∞
Relative Humidity (% , non-condensing)	0 to 99%	0 to 99%
Mechanical Shock (g)	< 1 for < 11 msec	< 25 for < 11 msec < 100 for < 1 msec

Please contact factory for other options. Specifications are subject to change without notice.



Dimensions in Inches (mm)

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LABORATORY HELIUM NEON LASER POWER SUPPLY

INPUT SPECIFICATIONS

Voltage (VAC)	100*
Line Frequency (Hz)	50 or 60
Current (A)	< 0.95

OUTPUT SPECIFICATIONS

Sustaining Voltage (VDC)	4500 to 5500
Start Voltage (kVDC)	>16
Current Setting (mA)	8.0 ± 0.2
Power (W)	< 46
Current Ripple (% Peak to Peak)	< 5.0
Current Ripple (% RMS)	< 2.0
Time Delay (Seconds)	3 to 8

ENVIRONMENTAL SPECIFICATIONS

OPERATING

NON-OPERATING

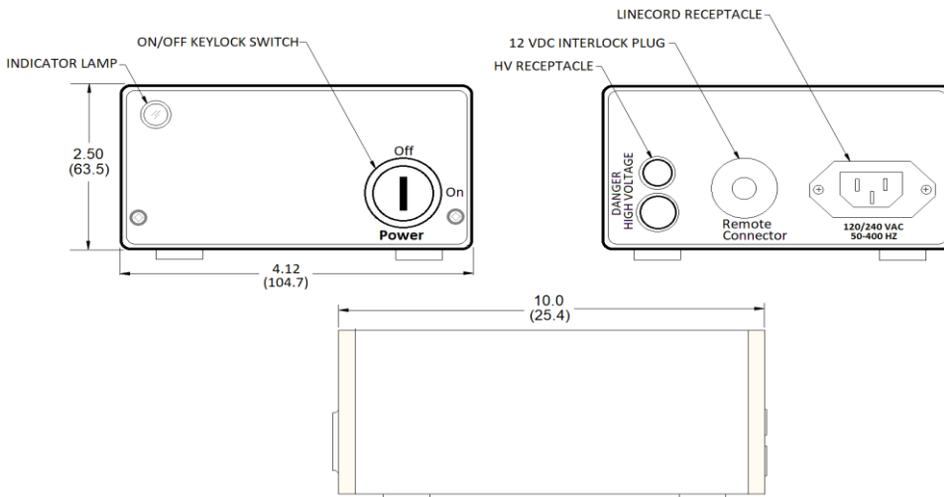
Temperature (°C)	0 to +50	-40 to +80
Altitude (meters)	0 to 3000	0 to ∞
Relative Humidity (% non-condensing)	0 to 99%	0 to 99%
Mechanical Shock (g)	< 50 for < 11 msec	< 50 for < 11 msec < 100 for < 1 msec

Agency Approvals

CE, EN 60950

Specifications are subject to change without notice.

*AC cord plug type: NEMA 5-15P



Dimensions in Inches (mm)
Reference Dimensions Only

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