

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
IEC 60825-1 EDITION 1.2 2001-08

Red (632.8 nm) HeNe Laser with an Integrated Power Supply

SPECIFICATIONS	VALUE
Minimum TEM ₀₀ Output Power (CW)	0.8 mW
Wavelength	632.8 nm
TEM ₀₀ Mode Purity	>95%
1/e ² TEM ₀₀ Beam Diameter (±3%)	0.48 mm
TEM ₀₀ Beam Divergence	1.7 mrad
Polarization	
HNLS008L and HNLS008L-EC	500:1
HNLS008R and HNLS008R-EC	Randomly Polarized Output*
Randomly Polarized Output*	1090 MHz (Nominal)
Max Warm-Up Time (≤95% Power)	10 min
Max Power Drift (8 Hours)	±2.5%
Max RMS Noise (30 Hz to 10 MHz)	1%
Storage Lifetime	Storage Lifetime
Shock (11 ms)	25 g
Operating Temperature	Operating Temperature
Storage Temperature	-40 to 150 °C
Relative Humidity (non-condensing)	0 to 100%
Operating Altitude	0 to 10,000 ft
Storage Altitude	0 to 70,000 ft

NEW
products

HNLS008
Integrated 110 VAC or
220 VAC Power Supply



Dimensions:
51 mm x 64 mm x 175 mm

Features

- Integrated Power Supply
- 0.8 mW Output Power
- Polarized or Randomly Polarized Output Beam
- CE Compliant
- CHRH (IEC 60825-1) Laser Safety Class: IIIa (3R)

The HNLS008 series of Helium Neon lasers have a switching power supply integrated into the rectangular laser housing that features a hard-sealed internal mirror and plasma tube design that maximizes the lifetime of the laser. The output aperture of the laser has 5/8"-32 internal threading. The power cord and on / off rocker switch are located on the back side of the laser (see drawing below).

ITEM #	\$	£	€	RMB	DESCRIPTION
HNLS008L	\$ 812.99	£ 585.35	€ 707.30	¥ 6,479.54	632.8 nm HeNe Laser, Polarized Output Beam, 0.8 mW Output Power, Integrated 110 V Power Supply
HNLS008L-EC	\$ 812.99	£ 585.35	€ 707.30	¥ 6,479.54	632.8 nm HeNe Laser, Polarized Output Beam, 0.8 mW Output Power, Integrated 220 V Power Supply
HNLS008R	\$ 757.76	£ 545.59	€ 659.25	¥ 6,039.33	632.8 nm HeNe Laser, Randomly Polarized Output Beam, 0.8 mW Output Power, Integrated 110 V Power Supply
HNLS008R-EC	\$ 757.76	£ 545.59	€ 659.25	¥ 6,039.33	632.8 nm HeNe Laser, Randomly Polarized Output Beam, 0.8 mW Output Power, Integrated 220 V Power Supply

0.8 mW Red (632.8 nm) HeNe Lasers

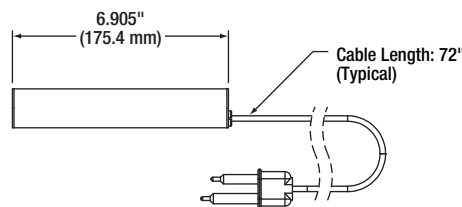
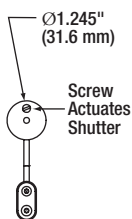


HNLS008L
(Power Supply Included)



NEW
products

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Operating Altitude	0 to 10,000 ft
Storage Altitude	0 to 70,000 ft



Features

- External Power Supply with Key
- 0.8 mW Output Power
- Polarized or Randomly Polarized Output Beam
- CE Compliant
- 100 VAC, 120 VAC, and 220 VAC Power Supplies
- Integrated Beam Shutter
- CHRH (IEC 60825-1) Laser Safety Class: IIIa (3R)

ITEM #	POWER SUPPLY	POLARIZATION	\$	£	€	RMB
HNL008L	120 VAC	Linear > 500:1	\$ 1,238.28	£ 891.56	€ 1,077.30	¥ 9,869.09
HNL008L-EC	220 VAC	Linear > 500:1	\$ 1,238.28	£ 891.56	€ 1,077.30	¥ 9,869.09
HNL008L-JP	100 VAC	Linear > 500:1	\$ 1,238.28	£ 891.56	€ 1,077.30	¥ 9,869.09
HNL008R	120 VAC	Random	\$ 1,055.24	£ 759.77	€ 918.06	¥ 8,410.27
HNL008R-EC	220 VAC	Random	\$ 1,055.24	£ 759.77	€ 918.06	¥ 8,410.27
HNL008R-JP	100 VAC	Random	\$ 1,055.24	£ 759.77	€ 918.06	¥ 8,410.27