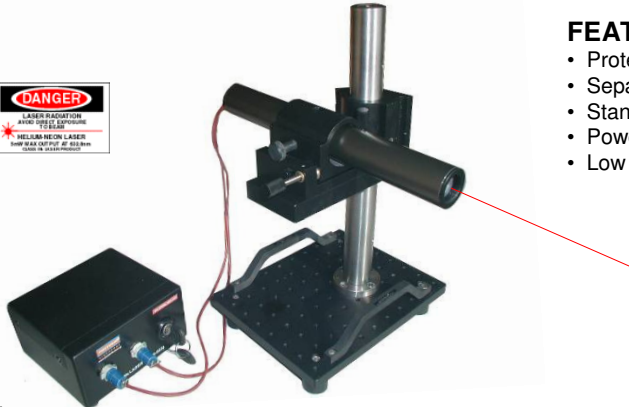


# Helium-Neon(HeNe) Laser P/N: PLHN-032 (632.8nm – RED Gas Laser)



## FEATURES

- Protected HeNe Laser Tube
- Separate Power Supply Included
- Standard SM1(1.035"-40 Thread/Female) Mount
- Power Supply with Interlock
- Low cost version



Standard SM1 External Mount, Compatible to Thorlabs SM1 Series

\* Ø1.5" post, right-angle clamp, adjustable stage, base and breadboard sold separately

## Main Specifications:

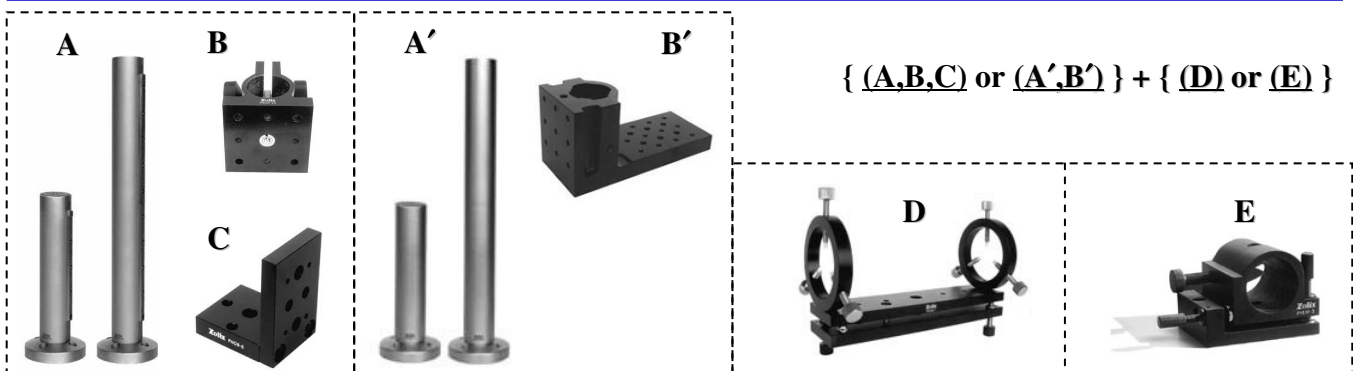
Operation Wavelength:	632.8nm (RED); CW
Beam Profile:	TEM <sub>00</sub> (single transverse mode; $M^2 < 1.1$ )
Output Power:	> 2mW typ
Polarization State:	Random standard; Polarized output(extinction ratio: >500:1 upon request; SM1-threaded polarizer available)
Beam Diameter(1/e <sup>2</sup> ):	≤1.0mm; Options: beam expander, adjustable/focusable, or with single mode(SM)/multimode(MM) or polarization-maintaining (PM) fiber coupled output, and fiber splitters, collimators, mirrors, polarization controller etc., upon request.
Beam Divergence:	0.5 mrad typical; < 1.0mrad max.
Power Stability:	≤ 5% typical;
Lifespan:	20,000 hrs typ.
Operation Temperature:	0° C ~ 60° C
Dimension(Laser Head):	Ø40mm(DIA) x 310mm(L); or OEM
Laser Driver:	Constant current; Internal starting trigger voltage: 6kV; Operation voltage: 2.5kV typ.; Operation current: 6mA typ.
Dimension(Laser Driver):	160mm(L) x 140mm(W) x 80mm(H)
Power Requirement:	220Vac/50Hz std; or 110V/50~60Hz per special request

## Warranty:

12 months standard. All products are guaranteed to be free from defects in materials and workmanship for a period of one year from date of purchase. Photonik reserves the right to repair or replace defective products at our option. This warranty does not apply to failure of the product due to misuse, abuse, accident, or neglect. Our liability is limited to the price of the part or service we are providing.

*Photonik reserves the rights to change product designs and specifications at any time without notice.*

**Accessories for laser head: supporting rod with gear rack, rod clamp with pinion, right-angle brackets, precision laser mounts...**



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