

# Helium-Neon(HeNe) Laser Series (543.5nm - Green Gas Laser)

**PHOTONIK** <sup>hv</sup>

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1" External Mount sold separately as the accessories



## APPLICATIONS

*Optical laser measurement  
Optical alignment use  
Optical collimation use  
Holography experiment  
Biological material research  
Laser medical instrument*

## FEATURES

*Continuous-wave output  
Long coherence length  
Low power and high stability*

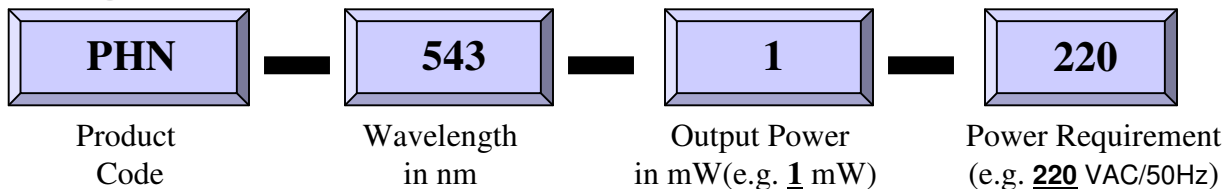
## Main Specifications:

Operation Wavelength:	543.5nm ( <b>GREEN</b> ); CW
Beam Profile:	TEM <sub>00</sub> (Single transverse mode; $M^2 < 1.3$ ); or Multimode
Output Power:	1mW typ.; 2mW max (CLASS – 3A)
Polarization State:	Random standard; Special request for polarized, extinction ratio: 500:1 typ.)
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):	φ42mm(DIA) x 450mm(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.*

## Ordering Information:



## Contact Information:

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## Local Representative:

