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Model 1144P, 15mW Linear Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



Stock **#62-729** **2 In Stock**

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+

C\$4,417⁰⁰

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General	
20	Warm-Up Time (minutes):
Lumentum	Manufacturer:
HeNe	Type of Laser:
IIIb	Laser Class - CDRH:

1144P		Model Number:
Physical & Mechanical Properties		
Pointing Stability after Warm Up (mrad°C): After 15 min.: <0.3		
2.6		Weight (lbs):
25.00		Length of Laser Head (inches):
Centered to Outer Cylinder: ±0.01" Parallel to Outer Cylinder: ±1.0 mrad		Static Alignment:
From Cold Start, 25°: <0.2		Pointing Stability (mrad°C):
1.74		Diameter of Laser Head (inches):
Optical Properties		
500:1		Polarization:
TEM ₀₀		Spatial Mode:
632.80		Wavelength (nm):
±3		Beam Diameter Tolerance (%):
±3		Beam Divergence Tolerance (%):
Mean Power over 8 hrs: ±2		Maximum Drift:
0.70		Beam Diameter (mm):
1.15		Beam Divergence (mrad):
Red		Color:
>95%		Mode Purity (TEM ₀₀):
Electrical		
15		Output Power (mW):
30 Hz - 10 MHz 0.5%		RMS Noise:
257		Longitudinal Mode Spacing, Nominal (MHz):
15.0		Minimum Output Power, TEM ₀₀ (mW):
Hardware & Interface Connectivity		
#11-391 (110/220V AC)		Power Supply:
Free Space		Output Type:
Environmental & Durability Factors		
-40 to +70		Operating Temperature (°C):
0 to 100%, non-condensing		Operating Humidity:
-40 to +150		Storage Temperature (°C):
Regulatory Compliance		
Compliant		RoHS 2015:
View		Certificate of Conformance:
Compliant		REACH 241:

Product Details

110V or 220V power supplies sold separately. These HeNe lasers comply with 21CFR1040 and IEC 825-1:1993.

- Power Options from 0.5 - 22.5mW
- Improved Stability
- Ideal for Interferometry and Metrology Applications
- Random or Linear Polarization Options

Lumentum High Performance Helium-Neon Lasers feature a patented close-cathode design that provides improved thermal and power stability. They also utilize a patented field concentrator design that enables fast turn-on. These Lumentum HeNe lasers also feature precisely aligned cylindrical housings, with cylindrical laser heads and electrical interconnect systems used to simplify system integration. Lumentum High Performance Helium-Neon Lasers' rugged design is ideal for even the most demanding applications. They are exemplary for use within interferometry and metrology applications.

Note: Please exercise caution when using a user-provided power supply to not exceed the electrical specifications of the laser as this may cause damage and void the warranty. These HeNe lasers comply with 21CFR1040 and IEC 825-1:1993. Lumentum was previously known as JDSU.

Technical Information

Beam Expander Mounting Configurations

Click on an item below to be brought to that item's product page.

