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Model 1137P, 7mW Linear Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



Stock **#62-725** 3 In Stock

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1

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£1,180⁰⁰

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SPECIFICATIONS

General

10	Warm-Up Time (minutes):
Lumentum	Manufacturer:

HeNe	Type of Laser:
IIIb	Laser Class - CDRH:
1137P	Model Number:
Physical & Mechanical Properties	
Pointing Stability after Warm Up (mrad°C): After 15 min: <0.02	
Weight (lbs):	
1.3	
Length of Laser Head (inches):	
15.79	
Static Alignment: Centered to Outer Cylinder: ±0.01" Parallel to Outer Cylinder: ±1.0 mrad	
Pointing Stability (mrad°C): From Cold Start, 25°: <0.1	
Diameter of Laser Head (inches):	
1.74	
Optical Properties	
Polarization:	
500:1	
Spatial Mode:	
TEM ₀₀	
Wavelength (nm):	
632.80	
Beam Diameter Tolerance (%):	
±3	
Beam Divergence Tolerance (%):	
±3	
Maximum Drift:	
Mean Power over 8 hrs: ±2.5	
Beam Diameter (mm):	
0.81	
Beam Divergence (mrad):	
1.00	
Color:	
Red	
Mode Purity (TEM ₀₀):	
>95%	
Electrical	
Output Power (mW):	
7	
RMS Noise:	
30 Hz - 10 MHz 0.2%	
Longitudinal Mode Spacing, Nominal (MHz):	
435	
Minimum Output Power, TEM ₀₀ (mW):	
7.0	
Hardware & Interface Connectivity	
Power Supply: #18-965 or #18-969 (12V DC), #18-966 (24V DC), #11-390 (110/220V AC)	
Output Type:	
Free Space	
Environmental & Durability Factors	
Operating Temperature (°C):	
-40 to +70	
Operating Humidity:	
0 to 100%, non-condensing	
Storage Temperature (°C):	
-40 to +150	
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
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.

