

Laser & ASE Systems

Tunable Lasers

Femtosecond Laser

WDM Laser Sources

Benchtop Laser Sources

HeNe Lasers

ASE Sources

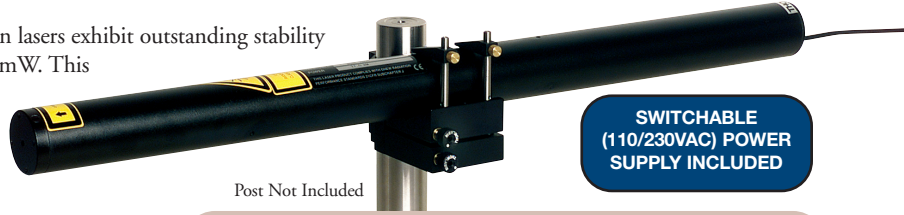
Terahertz

Electro-Optic Modulators

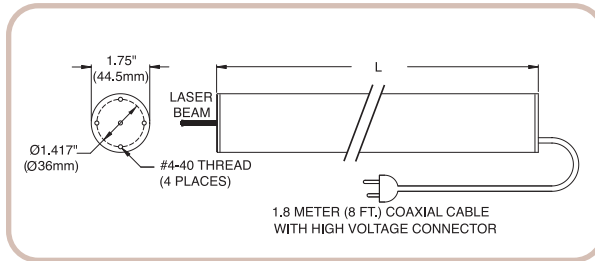
High-Power, Red, (632.8 nm) Helium-Neon Lasers

5 mW to 17 mW

These high-power, red (632.8 nm), helium-neon lasers exhibit outstanding stability and performance with power outputs up to 17 mW. This classic tube design features four #4-40 holes located on the front for easy mounting of accessories. Visit our website for the latest accessories at www.thorlabs.com.



Post Not Included



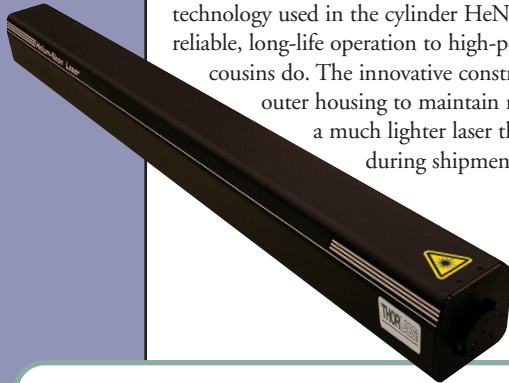
Specifications	Operating	Storage
Operating Temperature (°C):	-20 to 70	-40 to 80
Operating Altitude (m):	0 to 3,000	0 to 6,000
Humidity:	≤80%	≤95%
Shock:	15g for 11ms	
Start-Up Voltage:	<10 kVDC	
Beam Drift (after 20min Warm-Up):	<0.2 mrad	
Long-Term Beam Drift:	<0.05 mrad	
Noise (30Hz to 10MHz):	<1% RMS	

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT
543-700nm <5mW
IEC 60825-1 EDITION 1.2 2001-08

ITEM #	POWER	POLARIZATION	L	\$	£	€	RMB	1/e ² BEAM DIAMETER	BEAM DIVERGENCE	LONGITUDINAL MODE SPACING
HRP050	5.0 mW	Linear>500:1	16.75"	\$ 1090.00	£ 686.70	€ 1,013.70	¥ 10,409.50	0.80mm	1.01 mrad	441 MHz
HRR050	5.0 mW	Random	16.75"	\$ 950.00	£ 598.50	€ 883.50	¥ 9,072.50	0.80mm	1.01 mrad	441 MHz
HRP120	12.0 mW	Linear>500:1	21.00"	\$ 1,950.00	£ 1,228.50	€ 1,813.50	¥ 18,622.50	0.88mm	0.92 mrad	316 MHz
HRR120	12.0 mW	Random	21.00"	\$ 1,620.00	£ 1,020.60	€ 1,506.60	¥ 15,471.00	0.88mm	0.92 mrad	316 MHz
HRP170	17.0 mW	Linear>500:1	26.00"	\$ 2,450.00	£ 1,543.50	€ 2,278.50	¥ 23,397.50	0.98mm	0.82 mrad	252 MHz
HRR170	17.0 mW	Random	26.00"	\$ 2,370.00	£ 1,493.10	€ 2,204.10	¥ 22,633.50	0.98mm	0.8 mrad	252 MHz

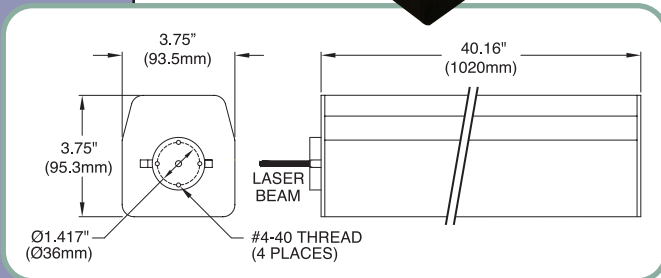
35 mW, Red (632.8 nm), Helium-Neon Lasers

The HRP350 and HRP350-EC offer completely modern design strategies to large-frame Helium-Neon lasers. Based on a novel extension of the hard seal technology used in the cylinder HeNe lasers, these lasers bring the same reliable, long-life operation to high-power applications as their lower power cousins do. The innovative construction of this system includes a rigid outer housing to maintain mirror alignment. This housing leads to a much lighter laser that is less susceptible to misalignment during shipment and installation than older designs.



Features

- High Power: 35 mW
- Complete System With Power Supply
- Novel Design for Long Life and Extreme Stability
- External Power Supply Provided:
 - HRP350 for 110VAC Nominal Input
 - HRP350-EC for 230VAC Nominal Input



Specifications	Operating	Storage
Operating Temperature (°C):	-20 to 70	-40 to 80
Operating Altitude (m):	0 to 3,000	0 to 6,000
Humidity:	≤80%	≤95%
Shock:	15g for 11ms	
Startup Voltage:	<10 kVDC	
Beam Drift (After 20min Warm-Up):	<0.2 mrad	
Long-Term Beam Drift:	<0.05 mrad	
Noise (30Hz to 10MHz):	<1% RMS	

ITEM #	POWER	POLARIZATION	\$	£	€	RMB	1/e ² BEAM DIAMETER	BEAM DIVERGENCE	LONGITUDINAL MODE SPACING
HRP350*	35.0 mW	Linear >500:1	\$ 6,320.00	£ 3,981.60	€ 5,877.60	¥ 60,356.00	1.22 mm	0.66 mrad	163 MHz
HRP350-EC**	35.0 mW	Linear >500:1	\$ 6,320.00	£ 3,981.60	€ 5,877.60	¥ 60,356.00	1.22 mm	0.66 mrad	163 MHz

*110VAC External Power Supply Included **230VAC External Power Supply Included