

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. Please visit our website (www.thorlabs.com) for the latest accessories.

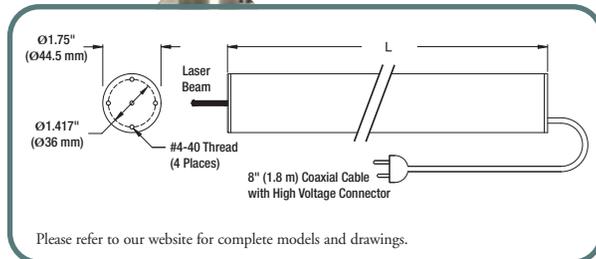


HRP120

Post and Mount Not Included

Switchable (110/230 VAC) Power Supply Included

Specifications	Operating	Storage
Temperature (°C)	-20 to 70	-40 to 80
Altitude (m)	0 to 3000	0 to 6000
Humidity	≤80%	≤95%
Shock	15 g for 11 ms	
Start-up Voltage	<10 kVDC	
Beam Drift (After 20 min Warm-up)	<0.2 mrad	
Long-Term Beam Drift	<0.05 mrad	
Noise (30 Hz to 10 MHz)	<1% RMS	



ITEM#	POWER	POLARIZATION	L	\$	£	€	RMB	1/e ² BEAM DIAMETER	BEAM DIVERGENCE	LONGITUDINAL MODE SPACING
HRP050	5.0 mW	Linear >500:1	16.75"	\$ 1,127.00	£ 781.30	€ 1,000.60	¥ 9,516.50	0.80 mm	1.01 mrad	441 MHz
HRR050	5.0 mW	Random	16.75"	\$ 1,150.00	£ 797.30	€ 1,021.00	¥ 9,710.70	0.80 mm	1.01 mrad	441 MHz
HRP120	12.0 mW	Linear >500:1	21.00"	\$ 1,978.00	£ 1,371.00	€ 1,756.00	¥ 16,703.00	0.88 mm	0.92 mrad	316 MHz
HRR120	12.0 mW	Random	21.00"	\$ 1,620.00	£ 1,123.00	€ 1,438.00	¥ 13,680.00	0.88 mm	0.92 mrad	316 MHz
HRP170	17.0 mW	Linear >500:1	26.00"	\$ 2,450.00	£ 1,698.50	€ 2,175.00	¥ 20,688.00	0.98 mm	0.82 mrad	252 MHz
HRR170	17.0 mW	Random	26.00"	\$ 2,370.00	£ 1,643.00	€ 2,104.00	¥ 20,013.00	0.98 mm	0.8 mrad	252 MHz

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

The HRP350 and HRP350-EC Helium-Neon Lasers are based on a novel extension of the hard-seal technology used in the cylindrical HeNe lasers. These lasers bring the same reliable, long-life operation to high-power applications as their lower power counterparts. The innovative construction of this system includes a rigid outer housing, which maintains mirror alignment and leads to a much lighter laser that is less susceptible to misalignment during shipment and installation than other designs.

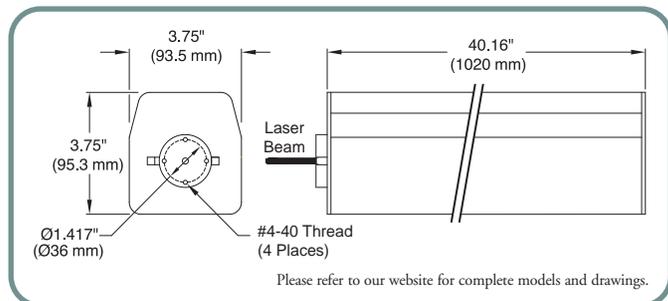


HRP350

Features

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

Specifications	Operating	Storage
Temperature (°C)	-20 to 70	-40 to 80
Altitude (m)	0 to 3000	0 to 6000
Humidity	≤80%	≤95%
Shock	15 g for 11 ms	
Startup Voltage	<10 kVDC	
Beam Drift (After 20 min Warm-up)	<0.2 mrad	
Long-Term Beam Drift	<0.05 mrad	
Noise (30 Hz to 10 MHz)	<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	£ 4,382.00	€ 5,611.00	¥ 53,367.00	1.22 mm	0.66 mrad	163 MHz
HRP350-EC**	35.0 mW	Linear >500:1	\$ 6,320.00	£ 4,382.00	€ 5,611.00	¥ 53,367.00	1.22 mm	0.66 mrad	163 MHz

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