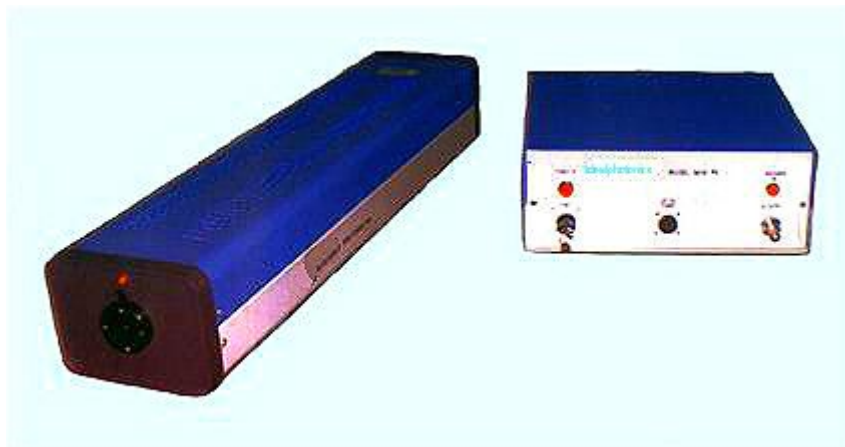


325 and 442 nm Helium Cadmium (He Cd) Lasers



Features:

Longer lifetime : Higher output powerA range of He Cd lasers from Idealphotonics, a highly tech and the oldestsupplier of laser product in china. Output powers :- at 325nm - 5mW, 10mW, 25mW ; at 442 nm : 14 mW,50mW, 80mW.

The lasers come with industry's best warranty, longest average lifetimes and highest reliability. Idealphotonics pride themselves on the quality of their laser systems. The goal is to provide the highest quality technologically advanced He-Cd lasers, in the world. To achieve this build, produce and assemble everything for lasers in-house. One of the unique capabilities of the Idealphotonics production system is the ability to process raw quartz from their own quartz mines and produce our He-Cd laser tubes in-house. These capabilities obviously translate into higher quality products for our customers.

Lifetime

All Idealphotonics He-Cd lasers have an average lifetime in excess of 6,000 hours.

This data was gathered from the results of thousands of returned laser heads returned to Idealphotonics each year for new tubes, by customers-not from a limited number of in-house life tests. Typically, the smaller the lasers'power the better the average lifetime.

Specifications

Helium-Cadmium Laser

Wavenlghth(nm)	325			442		
Model	3000			4000		
Number	3005 3010 3020			4010 4040 4070		
Model.TEM _{nm}	TEM ₀₀ or TEM _{MM}			TEM ₀₀		
Output power,mw						
-Min,ship power	25			14	50	80
-Warranted power	5	10	20	10	40	70
RMS Noise %						
-DC to 10MHz	<5	<5	<5	<5	<5	<5
-240 to 300KHz	<8	<8	<8	<8	<8	<8
Beam diameter,nm	0.5	0.6	0.8	0.5	0.6	0.9
Divergence,mrad	1.6	1.6	1.3	1.5	1.5	1.3
Mode sacing(C/2L) MHZ	268	200	135	268	200	135
Coherence length	10cm					

Over 6000 hours operating lifetime

Helium-Cadmium power supply

Model	110A	220A	110B	220B
Used with laser	3005	4010	3010 3020 4040 4070	
Voltage(AC150-60Hz)	110±10%	220±10%	110±10%	220±10%
Input power	<10A	<5A	<10A	<5A

Warranty

Since Idealphotonics make the best He-Cd lasers in Shanghai,CHINA, it is therefore logical that they offer the best warranty coverage in the business. Therefore all the series are covered for 4500 hoursfrom date of shipment.

In addition if the tube fails in your laser and has to be replaced, whether in our out of warranty, Idealphotonics will reset the warranty on the laser system.