

Medium Power CO₂ Laser

Model L50 Specifications

Model	L50	L50P	L50D
Wavelength (μm)	10.5 - 10.7	10.5 - 10.7	L50D has features of both L50 and L50P when the appropriate DC power supply is used.
CW Power (W)	50	25 (average)	
Peak Power (W)	50	100	
Power Stability	±5%	±5%	
Mode Quality (M ²)	< 1.2	< 1.2	
Beam Waist Diameter	2.4 mm	2.4 mm	
Waist Location	Output Coupler	Output Coupler	
Full Div. Angle	5.5 mrad	5.5 mrad	
Polarization	Horizontal	Horizontal	
Rise Time (μs)	200	100	
Fall Time (μs)	200	100	
Supply Voltage (DC)	28V 1kW	48V 1kW	
Electronic PWM Parameters	Any frequency up to 100 kHz, duty cycle 0-100%	1 kHz to 100 kHz, duty cycle 0-30%, pulse length to 0.4 ms	
Cooling Requirement	Water Cooled	Water Cooled	
Working Temperature	5-40° C	5-40°	
Dimensions (LxWxH, inch)	32x3.8x8	32x3.8x8	



Factory warranty: One year for parts and labor due to manufacturing quality, regardless of laser usage.

Options available:

- Grating tuned (Model L50G)
- 5.5um with CO fill (Model L50CO)
- Real time power monitoring
- Stabilization to ±1% with Line Tracker

* Includes RF driver

* Specifications subject to change without notice.

* We strive to satisfy custom requirements. Please contact us if you have other special needs.

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INVISIBLE LASER RADIATION-AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION

Max power: 200W

Wavelength: 9 - 12 μm

Class IV Laser Product

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