

Grating Tuned CO₂ Laser

Model MeritG Specifications

Model	MeritG	MeritGP
Wavelength (µm)	9.2 - 10.8	9.2 - 10.8
No. of Lines	50	55
CW Power (W)	2	-
Peak Power (W)	2	6
Power Stabilty	±5%	±5%
Mode Quality (M²)	< 1.2	< 1.2
Beam Waist Diameter	2.4 mm	2.4 mm
Full Div. Angle	5.5 mrad	5.5 mrad
Polarization	Vertical	Vertical
Supply Voltage (DC)	28V 240W	48V 240W
Electronic PWM Parameters	Any frequency up to 100 kHz, duty cycle 0-100%	1 kHz to 100 kHz, duty cycle 0-25%, pulse length to 0.2 ms
Cooling Requirement	Fan Cooled	Fan Cooled
Working Temperature	5-40° C	5-40°
Dimensions (LxWxH, inch)	16x2.8x4.1	16x2.8x4.1

MeritGD has features of both MeritG and MeritGP when the appropriate DC power supply is used.

MeritGD



MeritG with Water Cooling and Line Tracker¹

¹Water cooling and Line Tracker are available as separate options.

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

Options available:

- Water cooling
- Real time power monitoring

- Stabilization to ±1% with Line Tracker
- Isotope gas fills for various wavelengths

Includes RF driver & laser controller

- * 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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