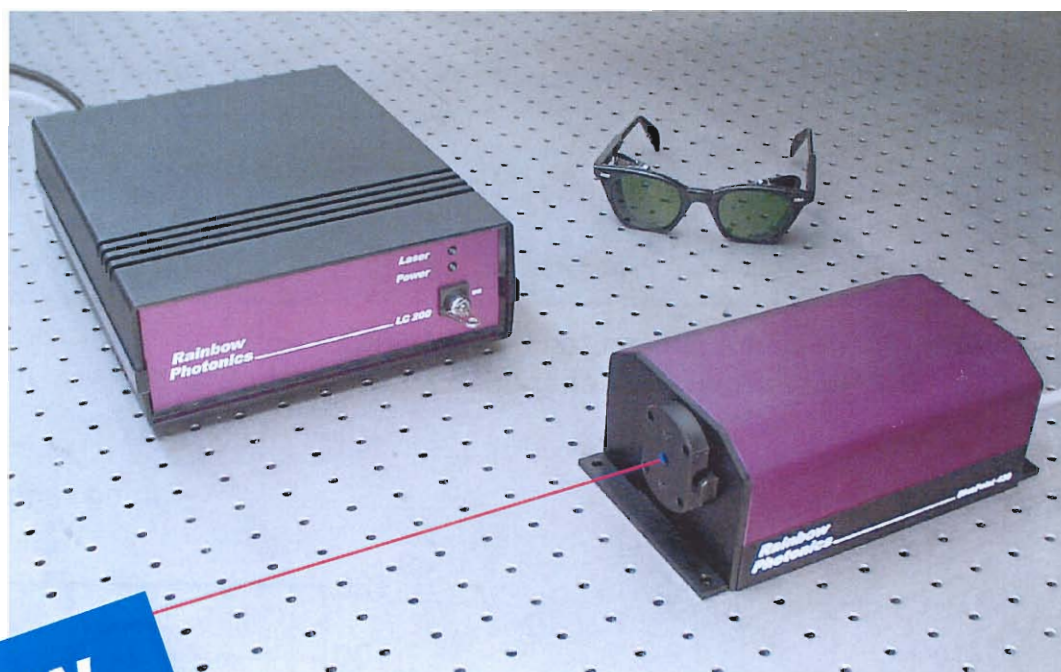


compact infrared tunable cw laser

IR-Point 820 - 970



new

Standard Features

- diffraction-limited beam
- turn-key operation
- low power consumption
- maintenance-free

Optional Features

- fiber coupled output
- ultra-low noise

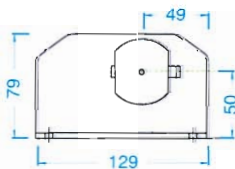
- substitute for Ti:sapphire lasers
- compact
- no water cooling needed

| Specifications⁽¹⁾ | IR-Point |
|---|---------------------------|
| Wavelength | 820 - 970 nm |
| CW power @ 860 nm | > 100 mW |
| Beam diameter (1/e ²) | horizontal vertical |
| | 0.8 mm 0.8 mm |
| Beam divergence* | horizontal vertical |
| | 2.5 mrad 2.5 mrad |
| Spatial mode | TEM ₀₀ |
| Beam quality, M ² | < 1.1 |
| Power Noise ⁽²⁾ : RMS (10 Hz-10 MHz) | < 0.5 % |
| RIN (10 Hz-10 MHz) | < -110 dB/Hz |
| Power stability ⁽³⁾ (p-p, 2h) | < 1 % |
| Pointing stability (p-p, 2h) | < 30 μrad |
| Polarization, linear | > 100 : 1, vertical |
| Warm-up time (from standby) | 5 min |
| Operating ambient temperature | 18 - 30 °C |
| Power consumption | < 60 W |
| Line voltage (auto switching) | 100 - 250 VAC, 50 - 60 Hz |

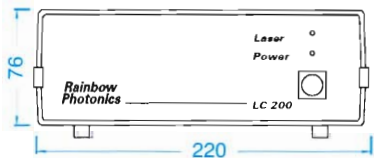
(1) Specifications are subject to change without notice.

(2) For ambient temperature changes <2°C over 2 hours.

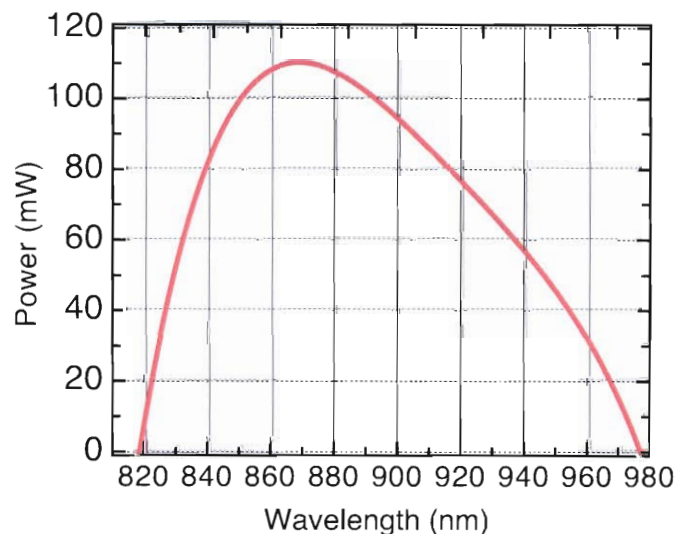
Laser head (dimensions in mm
length 240 mm)



Power supply (dimensions in mm
length 270 mm)



Tuning range



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