

FQCW 266-5/10

Diode Pumped Continuous Wave Solid State Laser

- 266 nm
- Continuous Wave
- Single Frequency
- Low Noise
- TEM₀₀
- Up to 10 mW
- Air cooled



spectroscopy • inspection • photoluminescence • analytics

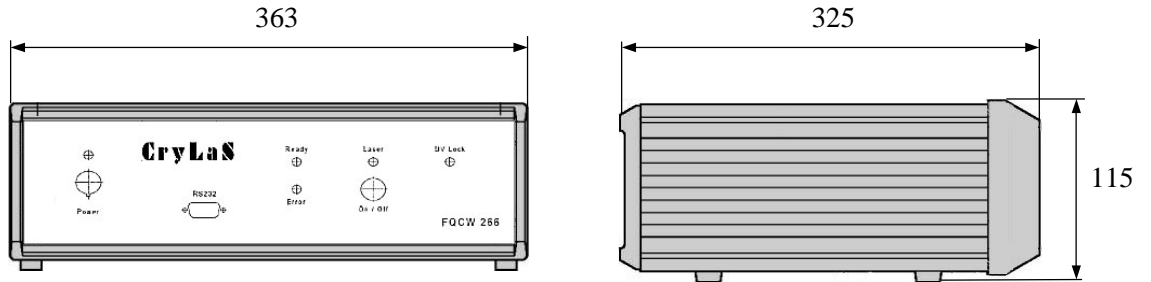
	Model	FQCW 266-5	FQCW 266-10
Optical Data	Output Power	5 mW	10 mW
	Wavelength	266 nm	
	Linewidth	< 1 MHz	
	Coherence length	> 300 m	
	Mode Quality M ²	< 1.3	
	Polarization	vertical, > 100:1	
	Beam Diameter	0.6 mm ± 15 %	
	Beam Divergence (full angle)	< 0.7 mrad	
	Beam Pointing Stability ¹⁾	< 3 µrad / K	
	Static Alignment Tolerance	Position < ± 0.25 mm, Angle < ± 2.5 mrad	
	Power Stability ¹⁾ (8 h, 1 s average)	< 1% rms	
	Noise (100 Hz - 10 MHz)	< 0.5% rms	
	Electrical Data	Line Voltage	100 V - 240 V AC
Power Consumption Mean (Max)		70 W (100 W)	
Communication Interface		RS 232 / USB ²⁾	
Safety Equipment		key switch, interlock	
Miscellaneous	Dimensions (control unit)	363 x 325 x 115 mm	
	Weight (control unit)	4.6 kg	
	Dimensions (laser head)	270 x 190 x 81 mm	
	Weight (laser head)	6.4 kg	
	Operating temperature	20 °C to 35 °C non-condensing	
	Warm-up Time (cold start)	< 5 minutes	

Notes

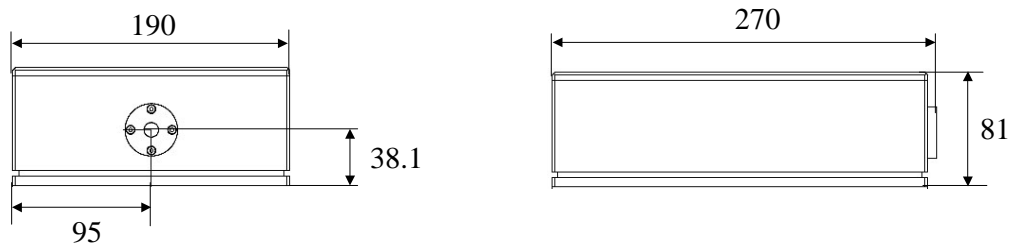
- 1) After 15 minutes warm-up in the temperature range 20 - 35 °C, temperature change < 1 °C/hour.
 2) With adapter.

Dimensions

Controller Unit:



Laser Head:



All dimensions in mm

Laser Warning

The FQCW 266 lasers are class 4 according to IEC 60825-1.



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Product specifications are subject to change without notice.