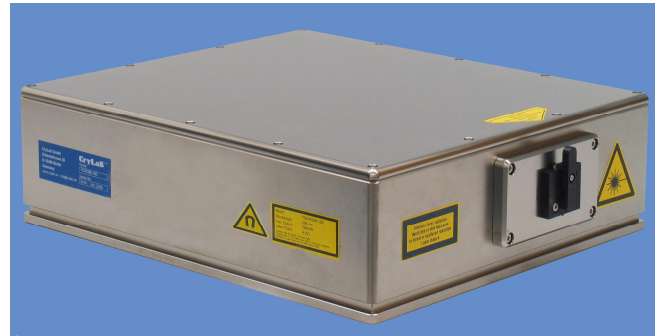




FQCW 266-10

Diode Pumped Continuous Wave Solid State Laser

- 266 nm
- Continuous Wave
- Single Frequency
- Low Noise
- TEM₀₀
- Up to 10 mW
- Conduction Cooling



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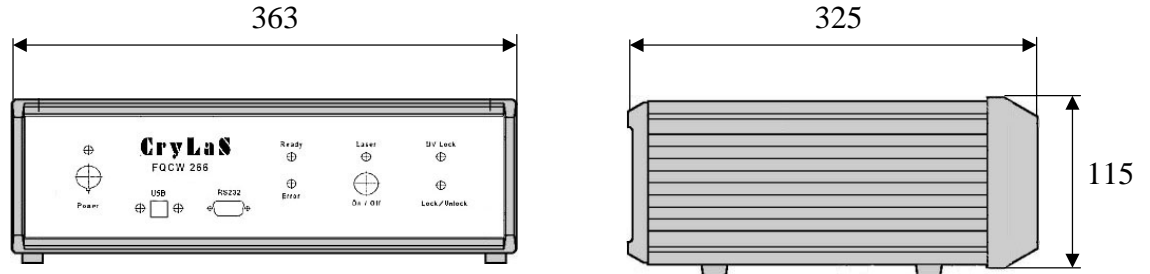
	Model	FQCW 266-10
Optical Data	Nominal Output Power	10 mW
	Output Power Adjustability	2 – 12 mW
	Wavelength	266 nm
	Linewidth	< 300 kHz
	Coherence Length	> 1000 m
	Beam Quality Factor M ²	< 1.3
	Polarization	vertical, > 100:1
	Beam Diameter	0.55 mm ± 20 %
	Beam Divergence (full angle)	< 0.8 mrad
	Beam Pointing Stability ¹⁾	< 3 µrad / K
Electrical Data	Static Alignment Tolerance ³⁾	Position < ± 0.25 mm, Angle < ± 2.5 mrad
	Power Stability ¹⁾ (8 h, 1 s average)	< 1 % rms
Miscellaneous	Noise (100 kHz - 10 MHz)	< 0.5 % rms
	Line Voltage	90 V - 250 V AC
	Power Consumption Mean (Max)	100 W (200 W)
	Communication Interface	USB / RS 232
	Safety Equipment	key switch, interlock
	Dimensions (control unit)	363 x 325 x 115 mm
	Weight (control unit)	5.3 kg
Miscellaneous	Dimensions (laser head)	379 x 270 x 91 mm
	Weight (laser head)	17 kg
	Operating Temperature	20 °C to 35 °C non-condensing
	Warm-up Time (cold start)	< 15 minutes

Notes

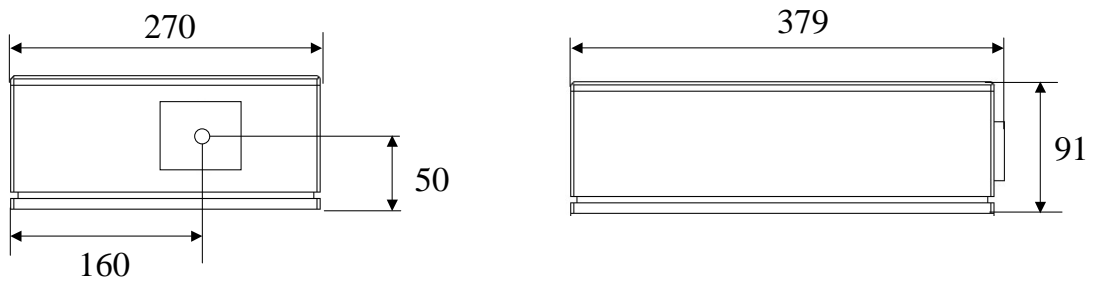
1. After 30 minutes warm-up in the temperature range 20 - 35 °C, temperature change < 1 °C/hour.
2. The exit window is equipped with the Manual Window Shifter (MWS) in case of external photo contamination. This laser system is not equipped with the Automatic Crystal Shifter (ACS) due to the lower power densities on all internal optical elements.
3. Position and angle of static alignment tolerances are specified with regard to laser beam exit.

Dimensions

Control Unit:



Laser Head:



All dimensions in mm

Laser Warning

The FQCW 266 lasers are class 4/IV according to IEC 60825-1:2007

