

DCW 1064–2000

IR cw high power DPSS Laser

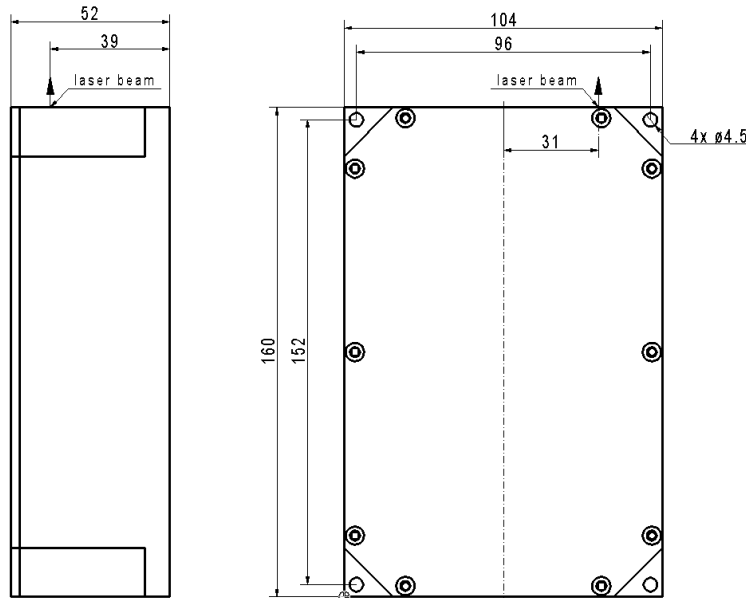
- 1064 nm
- 2000mW
- Low noise
- Small linewidth
- High beam quality
- High power stability



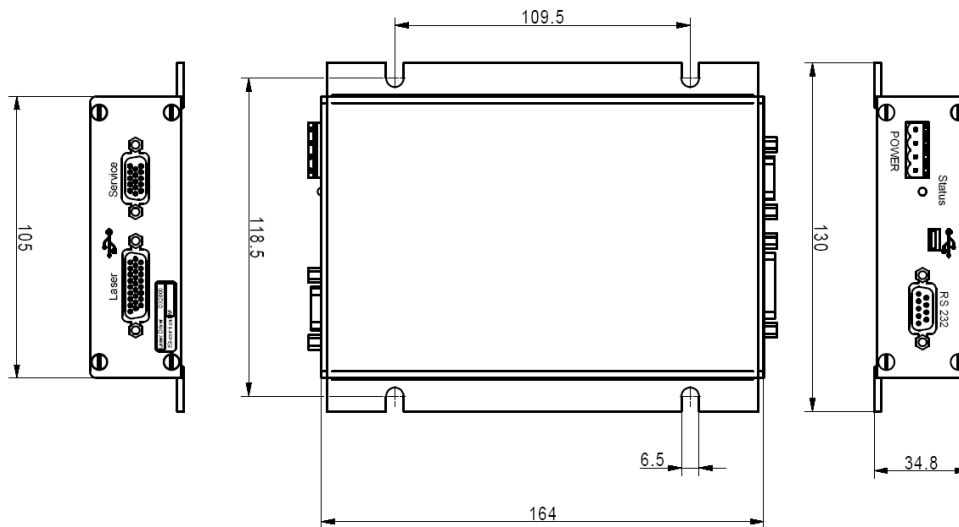
optical tweezers medical therapy laser marking

Optical Data	Wavelength	1064 nm
	Output Power	2000 mW
	Beam Divergence (full angle)	0.5 mrad
	Beam Diameter (1/e ² , at output window)	3.3 mm
	Spatial Mode	TEM ₀₀
	M ²	<1.2
	Beam Circularity	>0.9
	Polarization Ratio	> 100:1
	Amplitude Noise (3Hz – 1 MHz)	< 0.2 % rms
	Pointing Stability	6 µrad/K
	Linewidth	0.02nm (2 longitudinal modes, 5GHz spacing)
	Long-term Power Stability	< ± 1.0 % over 8 hours (peak-peak)
	Warm up Time	< 10 minutes
	Laser Classification	4 / IV
Optical Output	Free Beam	collimated
Electrical Data	Electrical Power Consumption	< 50 W
	Line Voltage	12 V dc (standard) with additional power supply 85 - 264 V ac
Interface	Serial Data Interface	RS 232 and USB
Miscellaneous	Laser Head Power Dissipation (@ 30 °C Base Plate Temperature)	20 W
	Ambient Temperature (Non-condensing)	15 - 40 °C
	Other Beam Diameters	On request
Dimensions	Laser Head (L x W x H)	160 x 104 x 52 mm ³
	Controller Unit (L x W x H)	105 x 64 x 34.8 mm ³
Weight	Laser Head	1.7kg
	Controller Unit	0.7kg

Laser Head and Controller (OEM version)



Top and side view of the laser head



Top and side view of the laser controller (OEM – version)

Safety Labels for Laser Head

