

eMOPA 355-100

紫外脉冲激光器

- 波长 **355 nm**
- 单次脉冲
- 脉冲宽度 **0.9 - 1.3 ns**
- 重复频率 **1-1Khz**
- 单脉冲能量 **> 100 μJ**
- 外部触发模式



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光学参数	波长	355 nm
	峰值功率	> 80 kW @ 1000Hz
	脉冲能量	> 100 μJ @ 1000Hz
	发散角 (f 全角)	< 3.5 mrad
	光斑圆度	< 2:1
	光斑直径	450 ± 150 μm (at laser exit)
	空间模式	TEM ₀₀
	重复频率	single shot (pulse on demand) – 1 kHz
	脉冲宽度 (FWHM)	≤ 0.9 – 1.3 ns
	偏振态	> 100:1, vertical
	能量漂移 ¹⁾	< ± 3 %
	能量稳定性 ²⁾	< 2%
	激光安全	3B / III
光输出	自由光	
电参数	功耗	< 100 W
	电压	90 - 265 V AC (50-60 Hz)
接口	USB / RS232	
	BNC 适配器用于外部触发 (TTL) SMB	
	connector for 24 V DC output	
Miscellaneous	预热时间	< 10 min
	工作温度	22 - 32 °C
	激光头尺寸 Size	56 x 140 x 265 mm (H x W x L)
	控制器尺寸 (Stand-Alone Unit Size)	129,5 x 177 x 180 mm (H x W x L)
选项	多模光纤耦合器	
	同步信号输出 (rise time < 1.5 ns)	
	电动 或者手动波长切换选项	
	望远镜或者扩束器	

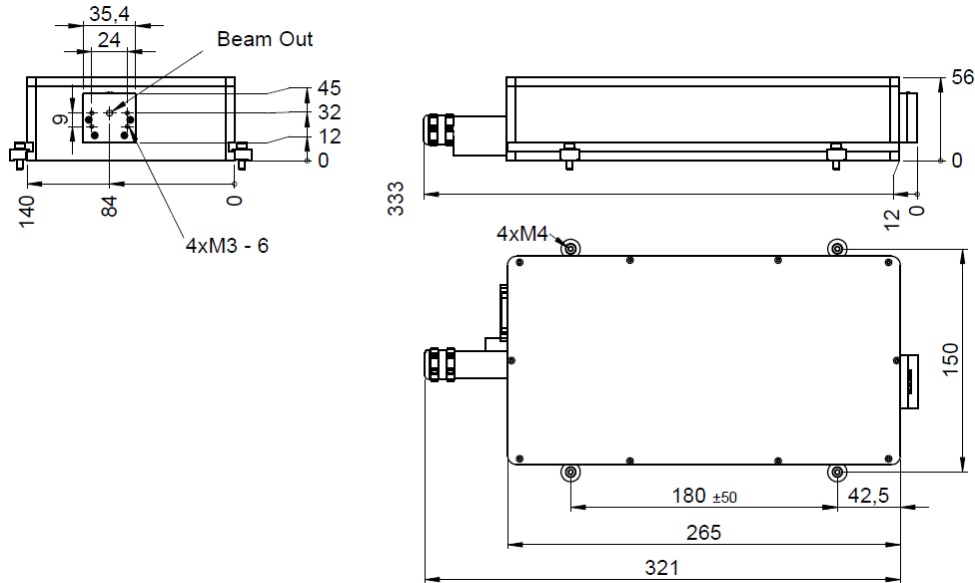
¹⁾ Averaged over 10s after 10min of continuous operation @ 1kHz activated closed loop control

²⁾ Over 1000 pulses @ 1kHz after 10min of continuous operation

Dimensions

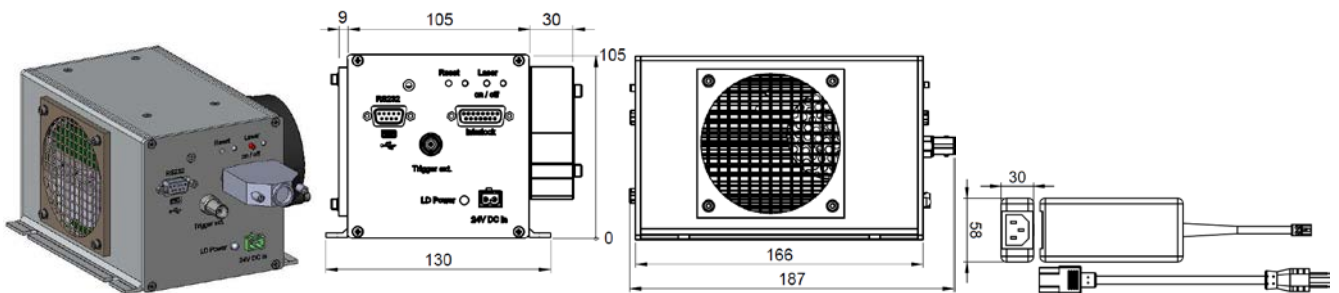
Laser Head:

265 x 140 x 56 mm



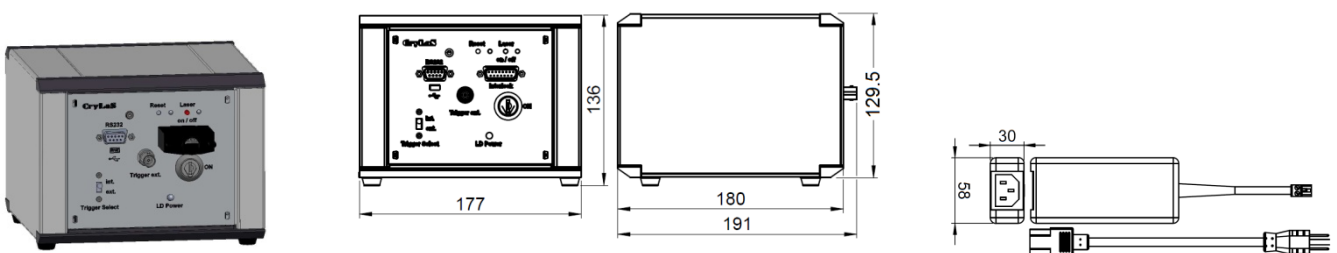
Controller OEM:

166 x 144 x 105 mm



Controller Stand-Alone:

180 x 177 x 129.5 mm



Laser Safety Labels

The eMOPA 355-100 lasers are class 3B according to IEC 60825-1

wavelength:	355 nm
max. Output:	300 µJ
pulse duration:	1 ns
max. repetition rate	1000 Hz
<small>Complies with IEC 60825-1:2007 Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No.50, dated July 26, 2001</small>	

**INVISIBLE
LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT**



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