

### BRaMMS-Duetto- 442/XXX

- from 10 mW to 150 mW output power at 442 nm SLM
- feedback locked Single Longitudinal Mode CW operation
- mode hops and lock loss free
- very low noise performance
- excellent beam quality from smallest footprint
- lowest power consumption for given output



BRaMMS – Solo - 442/100

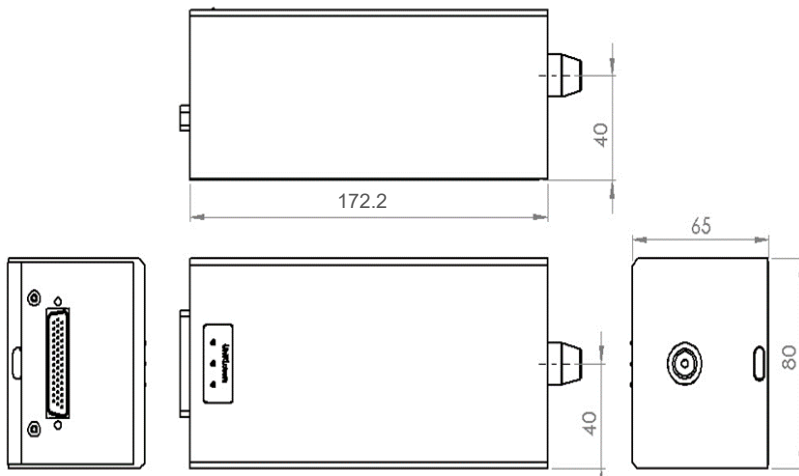
		<i>Units</i>
<b>Output Beam Parameters:</b>		
Output Power (fixed values within range)	mW	10 - 150
Power Control (optional)	–	Externally via manual power adjuster (MPA)
Wavelength	nm	442 ± 0.2
Beam Spatial Mode	–	TEM <sub>00</sub>
Beam Diameter at output aperture	mm	0.8 - 1.2
Beam Divergence	mrad	< 1, diffraction limited
Beam Pointing Stability	µrad/°C	≤ 5
Longitudinal Mode Structure	–	SLM
Line Width	MHz	< 0.5
Line Spectral Position Stability (4 hours)	pm	±1.25
Coherence Length	m	> 100
Mode Hops Free Fine Tuning Range (optional)	GHz	10 - 30 (upon request)
Polarisation	–	Linear, Vertical; ≥100:1
Output Power Noise (10 Hz – 10 MHz)	%	≤ 0.1rms, ≤ 1p-p
Output Power Stability (4 hours)	%	≤2
<b>Environmental Conditions:</b>		
Working Temperatures	°C	15 – 30, at mounting interface
Storage Temperatures	°C	-20 to 60
Humidity	%	5 -95, non-condensing
Warm up time	min	<30
<b>Electrical:</b>		
Supply Voltage	DC	19
Power Consumption (at 25 °C)	W	<200

*Fixed output power turnkey system, CW operation, factory aligned and sealed.  
Specification may be subject to change without notice.*

**sales@uniklasers.com**  
**www.uniklasers.com**

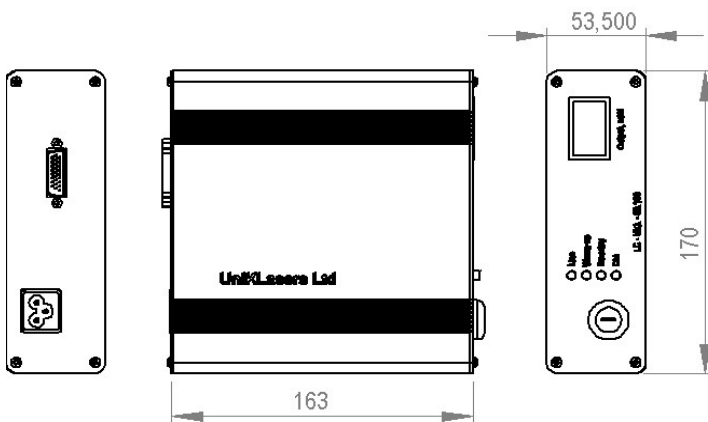
## BRaMMS-Solo - 442/XXX Laser Head and Controller Dimensional Specification

**Laser Head:** 80x 65 x 172.2 mm



**Controller:**

170 x 53.5 x 163 mm



[sales@uniklasers.com](mailto:sales@uniklasers.com)

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