

SpitLight

Scientific Lasers

SpitLight 600 OPO

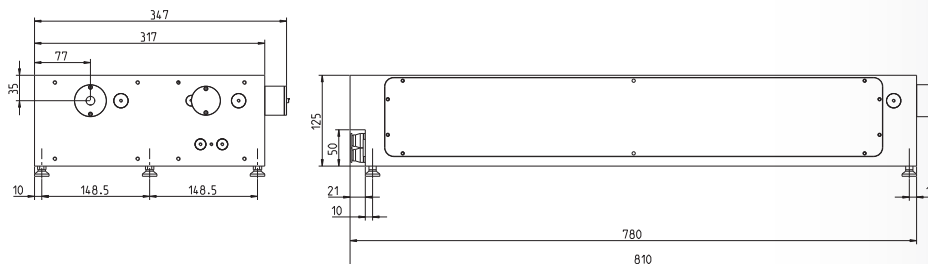


Features

- * Compact, robust flash-lamp pumped YAG/OPO with high pulse energy
- * Nd:YAG pumplaser and OPO within one compact housing
- * One central software for controlling the whole device
- * Robust and stable mechanical and optical setup
- * 355 nm or 532 nm pumping to get the maximum energy for a specific spectral region
- * Broad- and Midband OPO's with a tuning range from 413-2500 nm
- * Wavelength calibration included
- * Full range, pulse-to-pulse wavelength tuning

SpitLight 600 OPO

Model		SpitLight 600 OPO Broadband	SpitLight 600 OPO Midband
Pump Laser Parameters	Repetition Rate	1-30 Hz (following specifications are for 10 Hz)	1-30 Hz (following specifications are for 10 Hz)
	Energy @ 532 nm	> 400 mJ	> 400 mJ
	Energy @ 355 nm	> 240 mJ	> 240 mJ
	Beam Diameter	< 6.5 mm	< 6.5 mm
OPO	Pulse Width	4-7 ns	4-7 ns
	Tuning Range (532 nm pumped)	675-980 nm (signal) 1170-2500 nm (idler)	670-1064 nm (signal) 1064-2500 nm (idler)
	Tuning Range (355 nm pumped)	413-680 nm (signal) 730-2500 nm (idler)	418-709 nm (signal) 709-2500 nm (idler)
	Wavelength Shifting Time	10 ms (full span)	20 ms (full span)
	Line Width	10-450 cm ⁻¹	down to 5 cm ⁻¹
	Signal Output Energy @ 750 nm (532 nm pumped)	> 100 mJ	> 80 mJ
	Signal Output Energy @ 450 nm (355 nm pumped)	> 60 mJ	> 50 mJ
Operating Parameters	Lamp Lifetime	> 20,000,000 shots	> 20,000,000 shots
	Electrical Supply	208-240 VAC, 50/60 Hz, 2.5 kW	208-240 VAC, 50/60 Hz, 2.5 kW
	External Cooling Water (optional water-air cooling)	8 l/min, 2-6 bar, < 20 °C	8 l/min, 2-6 bar, < 20 °C
Weight	Laser Head	30 kg	30 kg
	Power Supply/Chiller Unit	50 kg	50 kg
Dimensions	Laser Head (L x W x H)	780 x 317 x 125 mm	780 x 317 x 125 mm
	Power Supply (L x W x H)	560 x 400 x 425 mm	560 x 400 x 425 mm



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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