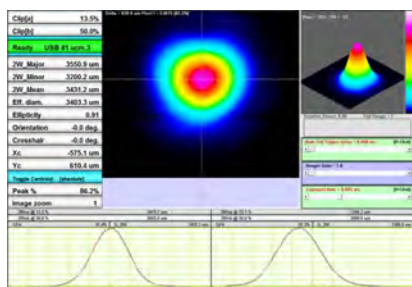


LS-2149/100, LS-2149/500, LS-2149/1k- TEM00

LOTIS TII introduces the new DPSS lasers with various pulse repetition rate. They have a built-in second harmonic (532 nm) and can be supplied with external harmonics generators.

DPSS Q-switched Nd:YAG lasers

- Close to TEM00 beam.
- Up to 1kHz pulse repetition rate.
- Compactness and high reliability.
- Built-in monitors of 1064 nm and 532 nm output energy.
- TTL external triggering of pump diode and Q-switch.
- Full PC control.
- Automatically switching output wavelengths.



Typical beam profile in far field

SPECIFICATIONS¹

Model	LS-2149/100	LS-2149/500	LS-2149/1k-TEM00	
Energy, mJ	1064 nm	30	12	8
	532 nm	15	6	4
	355 nm	6 ²	3 ²	2 ²
	266 nm	3 ²	-	-
Pulse duration (FWHM, at 1064 nm), ns	12-15	12	12	
Pulse repetition rate, Hz	up to 100	500	1000	
Beam divergence, mrad	≤2.0		≤1.5	
Beam diameter, mm	≤3.0		≤2.0	
M2	-		<2	
Jitter, ns		±1.0		
Energy stability (RMS at 1064 nm), %		<1.0		
Size L x W x H, mm (Weight, kg)				
Laser head		602 x 160 x 96 (10.0)		
Power supply		390 x 364 x 192 (9.6)		
Cooling system		325 x 260 x 325 (12.5)		
Remote control		105 x 175 (0.5)		
Power requirements	Single phase, 100-240V, 50/60Hz, universal input			
Consumed power, W	350	600	1000	

¹ All specifications are subject to change without notice

² With external harmonics generator HG-T, HG-F



Overall sizes of above DPSS lasers