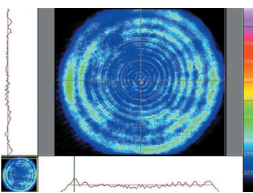


LASERS WITH GAUSSIAN RESONATOR LS-2132UTF, LS-2134UTF



Compact Q-switched lasers with short pulse duration and built-in second, third, and fourth harmonics generators - ideal tool for various research applications like LIDAR, spectroscopy, LIF, LIBS, PLD and as a pump source for OPO, Cr:Forsterite and Ti:Sapphire tunable lasers.

- The laser head design provides easy switchable output beams at 1064 nm, 532 nm, 355 nm and 266 nm without removing protective cover and additional alignment. Both PC-control and manual wavelength switching options are available.
- High stability and durability of output parameters is provided by special temperature control of nonlinear and Q-switched crystals as well as laser resonator special design.
- Enhanced high energy Third Harmonic (355 nm) and integrated Fifth Harmonic (213 nm) options are available on request.



Beam profile (1064 nm) in near field.

SPECIFICATIONS¹

Model		LS-2132UTF	LS-2134UTF
Energy, mJ	1064 nm	170	260
	532 nm	110	170
	355 nm	40	60(80 ²)
	266 nm	35	55
	213 nm	8 ³	15 ³
Pulse duration (FWHM at 1064 nm), ns	1064 nm	4-7	5-8
Pulse repetition rate, Hz		15	
Beam divergence ($\Theta_{0.86}$), mrad		≤ 0.7	≤ 0.8
Beam diameter, mm		≤ 5.0	≤ 6.0
Jitter ⁴ , ns		±1.0	
Energy stability 1064 nm (StDev), %		≤1.0	
Pointing stability, mrad		0.1	
Size LxWxH, mm (Weight, kg)	Laser Head	600x304x143 (18.0)	
	Power Supply LPS-2230M	461x276x504 (26.0)	
	Remote Control	105x175 (0.5)	
Power requirements		Single Phase, 100-220V, 50/60 Hz, 1000 W	

¹ All specifications are subject to change without notice

² High energy TH option

³ With external harmonics assembly

⁴ With respect to external trigger of Q-switch

