

# LS-2134N, LS-2145N Nd:YAG Q-switched laser

The LS-2134N and LS-2145N are improved models of our well known compact laser series LS-2134, LS-2145



### Main features:

- The telescopic stable resonator has given the benefits of uniform beam quality, high energy and low beam divergence.
- Both PC-control and manual 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.
- LS-2134N and LS-2145N due to its increased pulse duration are the ideal tool for various research applications like LIDAR, spectroscopy and a pump source for OPO, Cr:Forsterite and Ti:Sapphire tunable lasers.

### Specification

Parameter		LS-2134N	LS-2145N
Energy, mJ	1064 nm	260	350
	532 nm	160	230
	355** nm	60/80*	90/120*
	266** nm	50	70
Pulse duration (FWHM at 1064 nm), ns		14–16	
Pulse repetition rate, Hz		1; 2; 5; 10 (15)***	
Beam divergence, mrad		≤1.5	
Beam diameter, mm		≤6.3	
Jitter, ns		1.0	
Energy stability 1064 nm (rms), %		<1	
Size L x W x H, mm (Weight, kg)	Laser head	600x254x145 (14)	
	Power supply	391x364x192 (16.0)	
	Cooling system	391x364x280 (15.5)	
	Remote control	130x180 (0.5)	
	Power requirements	Single phase, 220±20 V, 50–60 Hz, 750 V*A	

\*High energy TH option

\*\*with external TH and FH converter

\*\*\* Option is available on request

