

COMPACT Nd:YAG Q-SWITCHED LASER LS-2131M

Compact laser are specially designed for integration into the systems with weight and dimension limit.



Main features:

- Compact design with high reliability
- Integrated power supply and cooling system with water-to-air heat exchanger
- Wide choice of operating modes: repetition rate, output energy, harmonics availability, etc
- Long term thermal and mechanical stability
- Thermo stabilized Q-switch and Second Harmonic Generator
- Integrated output energy monitor (at 1064 nm)
- Ideal OEM laser source

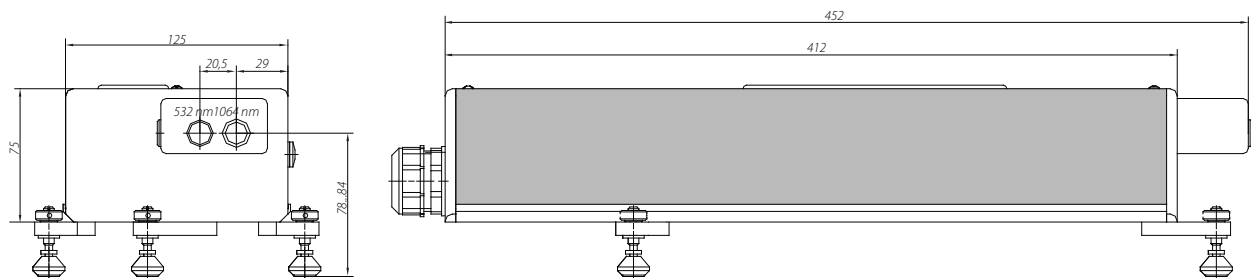
SPECIFICATIONS¹

Model		LS-2131M-10	LS-2131M-20	LS-2131M-F
Energy, mJ	1064 nm	200	190	-
	532 nm	125	120	120
	355 nm	30 ²	30 ²	-
	266 nm	35 ²	30 ²	35/30
Pulse duration (FWHM), ns		7-9	7-9	7-9
Pulse repetition rate, Hz		10	20	10/20
Beam divergence, mrad (full angle for 86% of energy)		≤1.5		
Beam diameter, mm		5		
Jitter ³ , ns		±1.0		
Energy stability 1064 nm (rms), %		1.5		
Size LxWxH, mm (Weight, kg)				
	Laser Head	452x125x75 (5.0)		542x125x81 (7.0)
	Power and Cooling Supply	391x364x280 (20.0)		391x364x280 (20.0)
	Remote Control	105x175 (0.5)		105x175 (0.5)
Power requirements		Single Phase, 220±20V, 50/60 Hz, 650 W		

¹ All specifications are subject to change without notice

² With external harmonics assembly

³ With respect to external trigger of Q-switch



Overall sizes of LS-2131M-10