

/// Nd:YAG Lasers

## LS-2136D-5 Double Pulsed High Repetition Rate Nd:YAG Laser



LOTIS TII LS-2136D — new high repetition rate models from the family of LOTIS TII double pulsed Nd:YAG lasers. LS-2136D provides operation two output pulses of equal energy and tunable temporal separation between pulses.

Standard configuration LS-2136D-4 has at output 80 mJ (1064 nm) and 40 mJ (532 nm). More power configuration LS-2136D-5 has up to 105 mJ (1064 nm) and 52 mJ (532 nm).

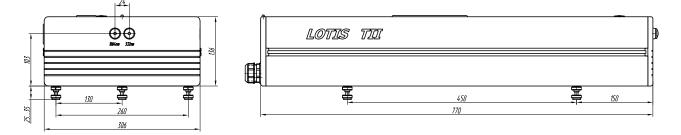
## Specification

Parameter		Value
Energy, mJ	1064 / 532 nm	105 / 52
Pulse duration (FWHM, at 1064 nm), ns		14–16
Pulse repetion rate, Hz		50
Beam divergence, mrad		≤1
Beam diameter, mm		5
Delay between laser pulses*, µs		1-80
Jitter**, ns		±1.0
Energy stability*** (1064 nm), %		±3.0
Size L x W x H, mm (Weight, kg)	Laser head Power supply Cooling system Remote control	770 x 306 x 136 (23.0) 446 x 449 x 177 (20.0) 446 x 449 x 266 (23.0) 105 x 175 (0.5)
Power requirements		Single phase, 220±20 V, 50–60 Hz, 2000 W

\* 1 µs steps, other steps (1–100 ns) are available on request

\*\* with respect to external trigger of Q-switch

\*\*\* shot to shot for 99% of pulses



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