

LS-2145LIBS

Compact Nd:YAG for Laser Induced Breakdown Spectroscopy

Main features:

- Small foot-print laser head design.
- Special dust-proof industrial design
- Integrated one-body power supply and cooling system with water-to air heat exchanger.
- Power cable and water tubes length 10 m
- Quick power and water connectors on both sides.
- Output of two pulses with different pulse length
- Precise tuning of two pulses delay from 1 microsecond to 100 milliseconds using internal control.
- Any delay between pulses using external control and built-in TTL interface.
- High stability and durability of the output parameters are provided by special design of laser resonator.
- Compatible with C-mount (option).
- Control by PC and Remote control



Preliminary specification

Parameter	Channel 1 (FR)	Channel 2 (Q-SW)
Wavelength, nm	1064	
Energy at 1064 nm, mJ	300	40
Pulse Repetition Rate, Hz	10	
Pulse Duration(FWHM)	40-60 μ s (changeable)	6-7 ns
Beam Diameter (at output aperture), mm	<6	<3
Beam Divergence (full angle,1/e ²), mrad	<1.2	<1.0
Polarization Linearity	horizontal	vertical

