

M-NANO-PIV Dual Head All-In-One Nanosecond Laser Source [PR146]



Description Uniquely compact and light-weight **All-in-one Dual Head Nd:YAG** laser for Double-pulse LIBS and PIV applications with size and weight constraints.

Provides up to 60 mJ (each pulse) with an arbitrary timing between the two pulses.
Overall rep rate up to 15 Hz.

Applications

- PIV Particle Imaging Velocimetry
- LIBS Dual Pulse Laser-Induced Breakdown Spectroscopy
- LIDT Dual Wavelength and/or dual pulse Laser Induced Damage Threshold – Testing
- Battery-powered operation possible, due to low power consumption

Models & Options

- M-NANO-PIV-DUAL-HEAD-Nd:YAG-532-40-10ns-15_PR146

Options:

- 1064 nm only (no SHG)
- Higher output energy, up to 60 mJ (532 nm)
- your application specific customization – please inquire

Specifications	Wavelength Pulse Energy Pulse repetition rate* Delay between pulses Average output power Pulse duration (FWHM) Beam quality M^2 (typical) Supply voltage Size (l x w x h)** Weight	532 nm >40 mJ (each pulse), up to 60 mJ 15 Hz any (0 .. 66 ms, external triggering) >1.2 W (@ 15 Hz) <10 ns 3 24-28 VDC ~265 x 178 x 65.5 mm ³ 4 kg
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* inquire about higher rep rates and energies
 **not including connectors, shutter, screws.

Dimensions

