

Datasheet

Spectra Physics T-Series Q-switched Nd:YAG Laser System T40 - Y70-106Q*



The T-Series Laser is a fiber coupled, diode-pumped, solid-state laser system. Its Q-switched output characteristics have been optimized for applications requiring high pulse energy and high pulse stability. The T40 power supply includes two diode modules. The Y70S laser heads use Nd:YAG as the active medium.

Second hand system, tested for all specifications, currently doing >7W at 10kHz at nominal pump power. Currently used diodes installed, new diodes can be installed on request.

Specifications

| | |
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| Wavelength | 1064 nm |
| Power | 1,5W at 1kHz, 6,5W at 10kHz |
| Repetition Rate Range Pulswidth, nominal | Single shot to 100kHz 70 nsec at 1kHz |
| Beam Characteristics | |
| Spatial Mode | TEM ₀₀ |
| M ² | < 1.2 |
| Polarization | 100:1 , vertical |
| T40 Power Supply | |
| Temperature Range | 18°C ... 35°C |
| Fiber Length | 5 meters |
| System Specifications | |
| Weight (power supply) | 52 kg (113 lbs) |
| Weight (laser head) | 9,1 kg (20 lbs) |

More informations available on request.

*exact modell is Y70-106Q-06 (originally made for GSI)