

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

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 M ² Polarization	TEM ₀₀ < 1.2 100:1 , vertical
T40 Power Supply	
Temperature Range Fiber Length	18°C ... 35°C 5 meters
System Specifications	
Weight (power supply) Weight (laser head)	52 kg (113 lbs) 9,1 kg (20 lbs)

More informations available on request.

*exact modell is Y70-106Q-06 (originally made for GSI)