

LPS-T-710-810/1-20mJ

**HIGH ENERGY LAMP
PUMPED ALL-SOLID-STATE
Q-SWITCHED LASER**

High energy lamp pumped all solid state Q-switched laser at 710~810nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in photoacoustic imaging, medical applications, Biology, vibrational spectrum , scientific research, and so on.



SPECIFICATIONS

	LPS-T-I	LPS-T-II
Wavelength (nm) ¹	765-800	710-810
Spectral width	<1.8nm (1.2-1.8nm@different Wavelength)	<3nm
Spectral resolution	1nm	1nm
Operating mode	Actively	
Single pulse energy (mJ)	1-20mJ	1-8mJ
Pulse duration (ns)	≤15	
Rep. rate	1-20Hz (adjustable)	
Energy stability (std dev/mean)	<10%	
Beam divergence, full angle (mrad)	~5	
Beam diameter (mm)	~7	
Warm-up time (minutes)	<15	
Cooled method	Water cooled	
Operating temperature (°C)	15-35	
Power supply(110/220VAC)	PSU-LPS-T	
Expected lifetime(pulses)	10 ⁷ -10 ⁸	

¹ Wavelength tunable.