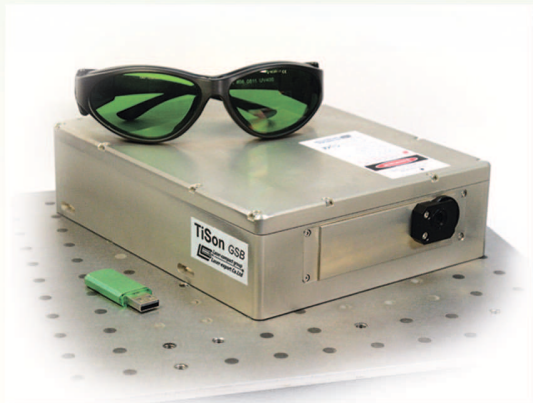


Perfect for Photoacoustic Imaging!

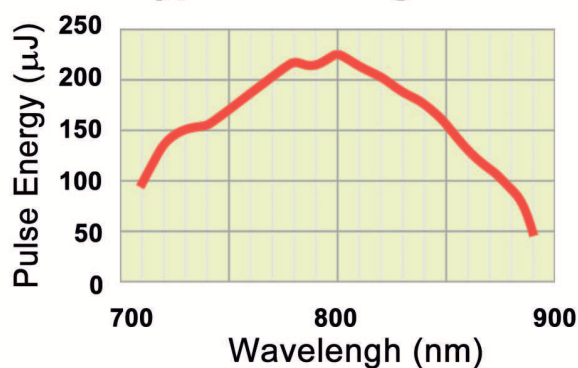
TiSon GSB

**HIGH-ENERGY BROADLY TUNABLE COMPACT NANOSECOND
Ti:Sapphire LASER**

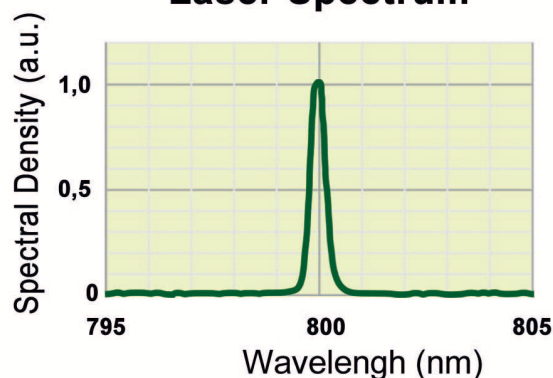


> 200 μ J
@ 800 nm
 $\tau < 10$ ns, $\Delta\lambda < 0.5$ nm
rep. rate 1 kHz

Typical Tuning Curve



Laser Spectrum



FEATURES

- High pulse energy
 - Short pulse duration
 - High pulse-to-pulse stability
 - Perfect beam quality
 - Excellent pointing stability
 - Maintenance-free operation
 - Cost-effectiveness
 - Fully automated wavelength tuning
 - Fast wavelength change
 - Random wavelength access
 - Air-cooled
 - Ultra-compact footprint
 - Fully integrated packaging.
- No free standing pump laser

 **Laser-compact group**
Laser-export Co.Ltd



www.laser-export.com



Specification

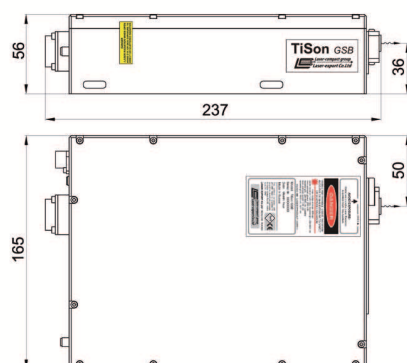
	TiSon GSB
Wavelength range, nm	710-890
Wavelength tuning method	automatic, PC controlled
Pulse Energy at 1 kHz, μ J	> 40 at 720 nm > 100 at 750 nm > 200 at 800 nm > 100 at 850 nm > 40 at 880 nm
Average Output Power, W	> 0,2
Linewidth of laser emission, nm	< 0,6
Range of Pulse Repetition Rate	single pulse - 1 kHz
Pulse Duration (FWHM), ns	< 10
Pulse-to-Pulse Stability- StdDev/Mean	< 2%
Long-term stability (Av. Power (RMS) / Av. Power)	< 4% / 8 hrs
Beam Profile	TEM ₀₀
Beam Diameter ($1/e^2$, at output aperture)	$1 \pm 0,2$
Beam Divergence (full angle, $1/e^2$), mrad	< 1,3
Beam Quality, M ²	< 1,2
Polarization Linearity	> 100:1, horizontal (< 5°)
Dimensions* (LxHxW), mm	Laser Head
	Power Supply
	237 x 56 x 165
	230 x 78 x 193
Weight*, kg	Laser Head
	Power Supply
	3 $\pm$ 0,1
	3,5 $\pm$ 0,1
Operation Voltage, V	24 $\pm$ 10%
Max. Current Consumption, A	< 6
Max. Power Consumption, W	< 140
Typical Power Consumption, W	< 90

Unless stated otherwise, parameters are specified at 800 nm, 1 kHz repetition rate.

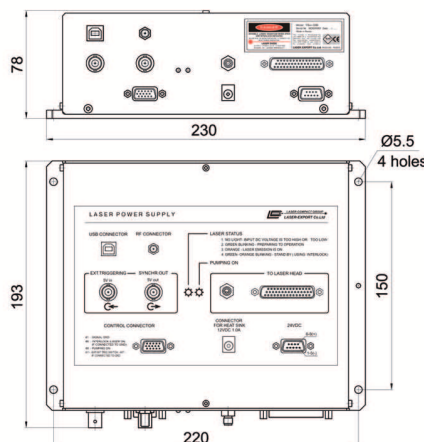
All specifications may change without notice.

* without Fan Heat Sink

Drawing of Laser Head



Drawing of Power Supply



**ISO 9001:2008
certified**

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