

MANNY-VIS SERIES

Highly Flexible Visible Picosecond Fiber Laser

Key features:



Tunable and adjustable pulse repetition frequency up to 2 GHz



Many wavelengths available in visible wavelength



Tunable pulse duration from 35 ps to few ns



Multistage fiber amplifier from > 10 mW to > 5 W



Compact, turn-key master/slave system

MANNY product range integrates an innovative electronical pulse generation system which brings unprecedented features: **the pulse gating.**

Thank to this technology, pulse duration and repetition rate are flexible and tunable.

MANNY systems fits perfectly any industrial and scientific application that requires master/slave synchronization.

Typical applications:

- Advanced microscopy
- Spectroscopy
- Bio-photonics
- Nonlinear optics
- Laser research



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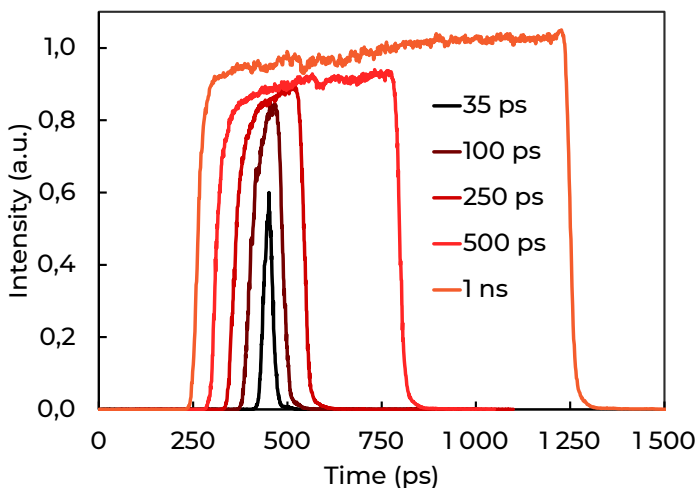


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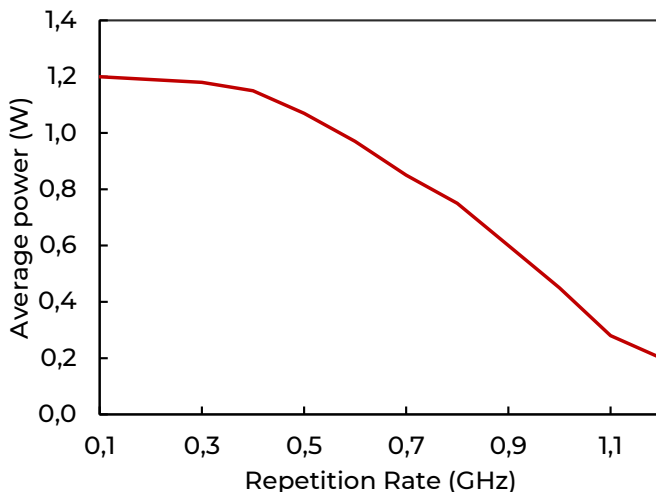
Specifications

		MANNY-VIS S	MANNY-VIS M	MANNY-VIS L	MANNY-VIS XL
Central Wavelength	(1)	515 nm, 532 nm or 775 nm, 780 nm			
Avg. Output Power	(2)	> 10 mW	> 100 mW	> 1 W	> 5 W
Max pulse energy	(3)	> 1 μ J			
Power stability		< 2 % RMS			
Spectral bandwidth		< 1 nm, FWHM			
Pulse duration		Tunable and adjustable from 35 ps to few ns			
Timing jitter	(4)	< 10 ps RMS			
Repetition rate		Single-shot to 2 GHz, Burst capable			
Polarization		Linear, > 20 dB			
Ext. synchronization		Master/Slave			
Beam quality		Fibered output		Free-space output - $M^2 < 1,3$	
Cooling system		Air cooled			
<p>(1) Other wavelength available upon request</p> <p>(2) Average power is depending on pulse repetition rate</p> <p>(3) Depends on pulse repetition frequency</p> <p>(4) Depends on clock or sync signal</p>					

Pulse shape from 35 ps to 1 ns



Average power vs. repetition rate



All information in this document is subject to change without prior notice. – Updated 01/2020

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