

MANNY-IR SERIES

Highly Flexible Infrared Picosecond Fiber Laser

Key features:



Tunable and adjustable pulse repetition frequency up to 2 GHz



Many wavelength available in IR



Tunable pulse duration from 35 ps to few ns



Multistage fiber amplifier from > 20 mW to > 20 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:

- Seed for high power lasers
- Laser research
- Nonlinear optics
- Spectroscopy
- Bio-photonics

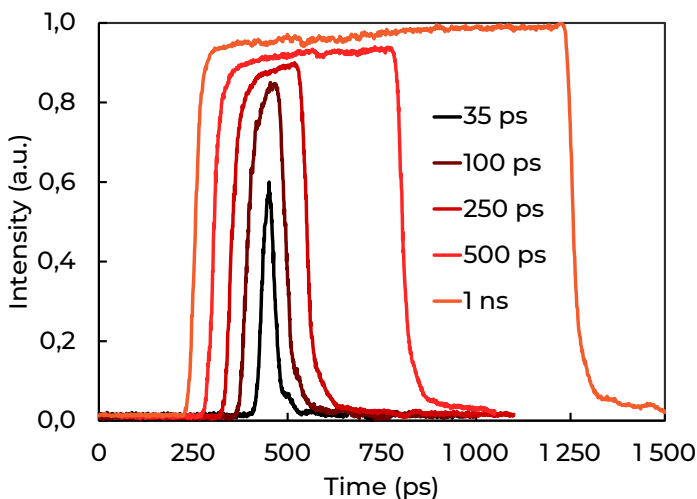
MANNY-IR SERIES

Specifications

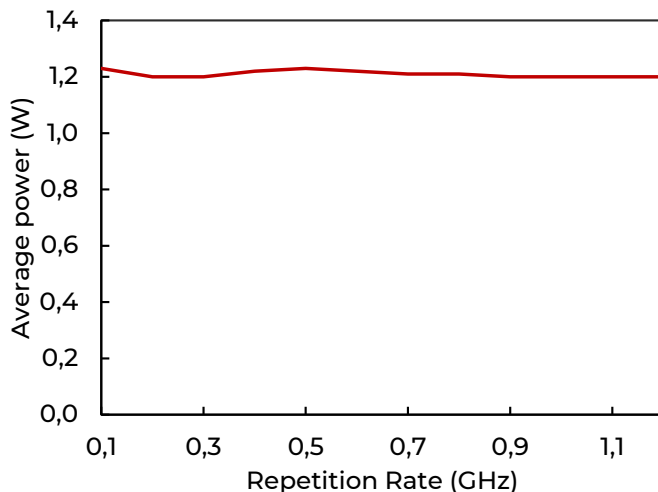
		MANNY-IR S	MANNY-IR M	MANNY-IR L	MANNY-IR XL
Central Wavelength	(1)	1030 nm, 1064 nm or 1550 nm, 1560 nm			
Avg. Output Power	(2)	> 20 mW	> 500 mW	> 5 W	> 20 W
Max pulse energy	(3)	> 1 μ J			
Power stability		< 2 % RMS			
Spectral bandwidth		< 1 nm, FWHM			
Pulse duration		Tunable and adjustable from 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			

(1) Other wavelength available upon request
 (2) Average power is depending on pulse repetition rate
 (3) Depends on pulse repetition frequency
 (4) Depends on clock or sync signal

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

Don't hesitate to contact us for more information:

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

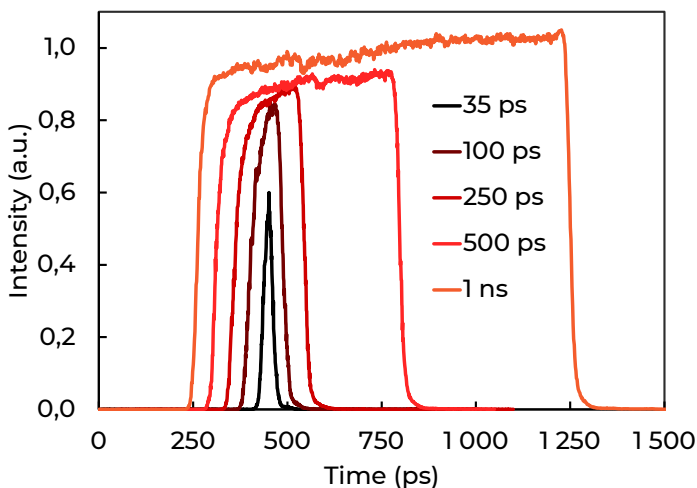
MANNY-VIS SERIES

Specifications

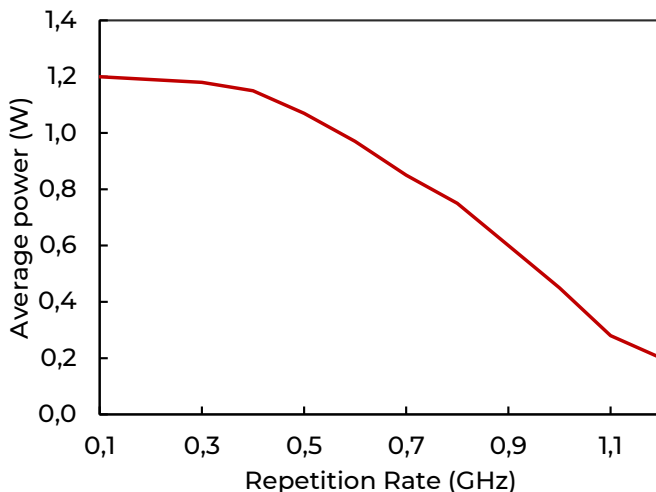
		MANNY-VIS S	MANNY-VIS M	MANNY-VIS L	MANNY-VIS XL
Central Wavelength	(1)	515 nm, 532 nm or 775 nm, 780 nm			
Avg. Output Power	(2)	> 10 mW	> 100 mW	> 1 W	> 5 W
Max pulse energy	(3)	> 1 μ J			
Power stability		< 2 % RMS			
Spectral bandwidth		< 1 nm, FWHM			
Pulse duration		Tunable and adjustable from 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			

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Pulse shape from 35 ps to 1 ns



Average power vs. repetition rate



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