

VALO Tidal-75-1100

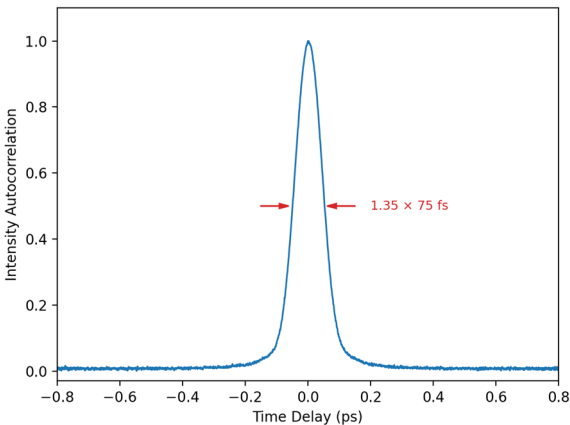
Ultrafast Fiber Laser | < 75 femtoseconds | 1100 nm



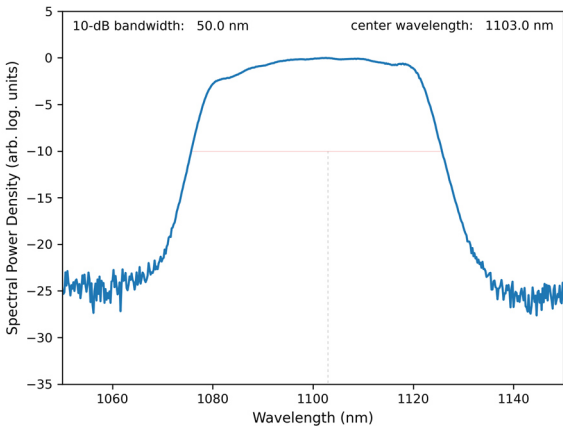
Applications

- Excitation of Red Fluorophores
(mCherry, mOrange, RCaMP, and many more)
- 3-Photon Imaging
- Brain Imaging
- Multiphoton Microscopy
- Spectroscopy

Typical Autocorrelation Measurement

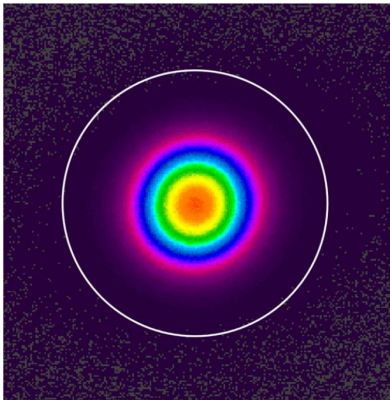


Typical Optical Spectrum

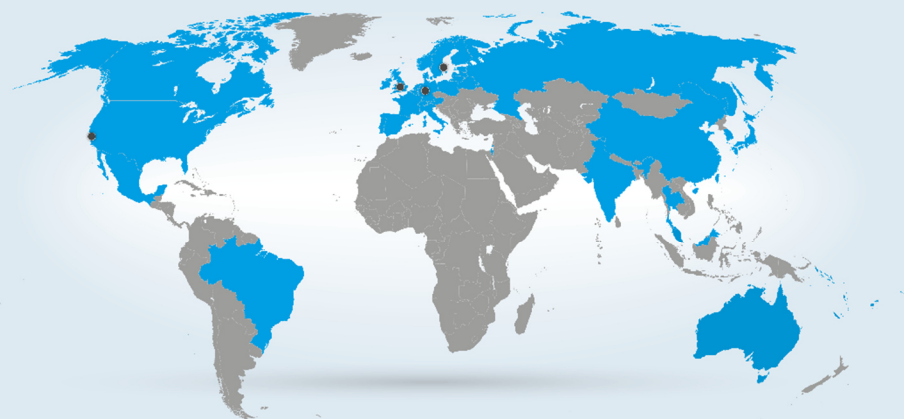


PARAMETER	SPECIFICATION
Pulse Duration (FWHM) (fs)	< 100 (typ. 75)
Average Power (W)	> 1.0
Repetition Rate (MHz)	30 ± 1
Pulse Energy (nJ)	> 33
Power Stability (RMS, 8 h) (%)	< 0.5 (typ. < 0.2)
Dispersion Compensation (fs²)	-25,000 to +5,000
Center Wavelength (nm)	1100 ± 10
Spectral Bandwidth (at -10 dB) (nm)	> 30 nm
Spatial Mode (M²)	< 1.3
Dimensions (mm)	370 × 214 × 90

Typical Beam Profile at Focal Point



Specifications and technical data are subject to change without notice due to technical developments.



Our Locations

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