



Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

Oscillator Yb

Truly All-Fiber Femtosecond Oscillator



This femtosecond oscillator was specifically developed to be the rock-solid heart of all Fluence femtosecond lasers. Its design is based on Fluence truly-all-PM-fiber technology with no degradable components inside. It was tested while turned on and mode-locked under extreme temperatures (from -10° to 40° C) and vibrations up to 40 g. This exceptional feature together with small size and low power consumption makes this oscillator a perfect solution for all OEM applications.

Technical specification:

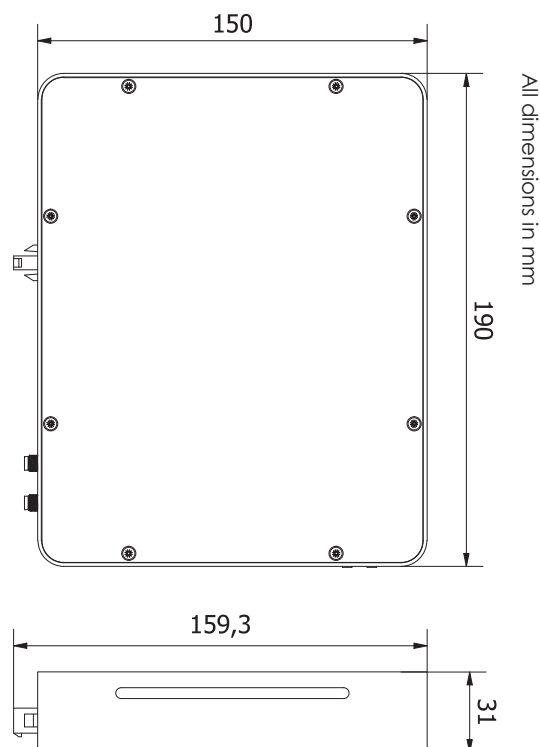
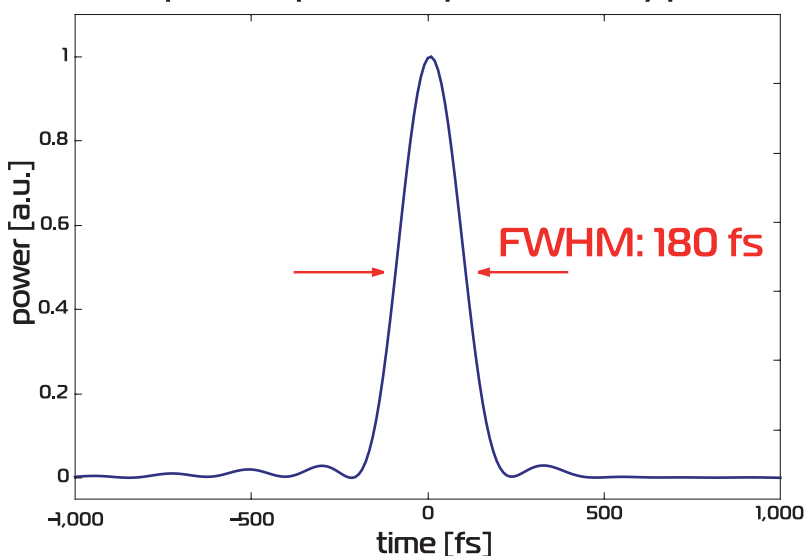
	Oscillator Yb	Oscillator CU
Type of output	Fiber connector	Custom solution tailored to your requirement
Pulse duration	Chirped pulse (compression option available <200 fs)	Ask for details
Maximum average power	>50 mW	
Pulse energy	>2.5 nJ	
Polarization	Linear, horizontal	
Central wavelength	1030 ± 5 nm	
Optional wavelength outputs	515 nm, 343 nm, 258 nm	
Repetition rate	20 MHz (other on request)	

**Not exactly what you are looking for?
Get in touch with us and let us help you out.**

Physical specification:

Size	190 (L) x 150 (W) x 31 (H) mm ³
Weight	1 kg
Electrical	External DC
Operating temperature	15-35 °C
Operating humidity	Non-condensing

Compressed pulse temporal intensity profile



All specifications are subject to change without prior notice due to continuous improvements.