



Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

Blueback

Advanced Ultrashort Laser Pulse Characterization Device



Blueback is a real-time ultrashort laser pulse characterization device specifically engineered to provide a high-resolution measurement for ultrafast oscillators and amplifiers. It is an essential piece of equipment for everyone who depends on accurate information about properties of their ultra-short pulses. With Blueback you get more than just a single result. You can watch your pulse evolving in real time.

Technical specification:

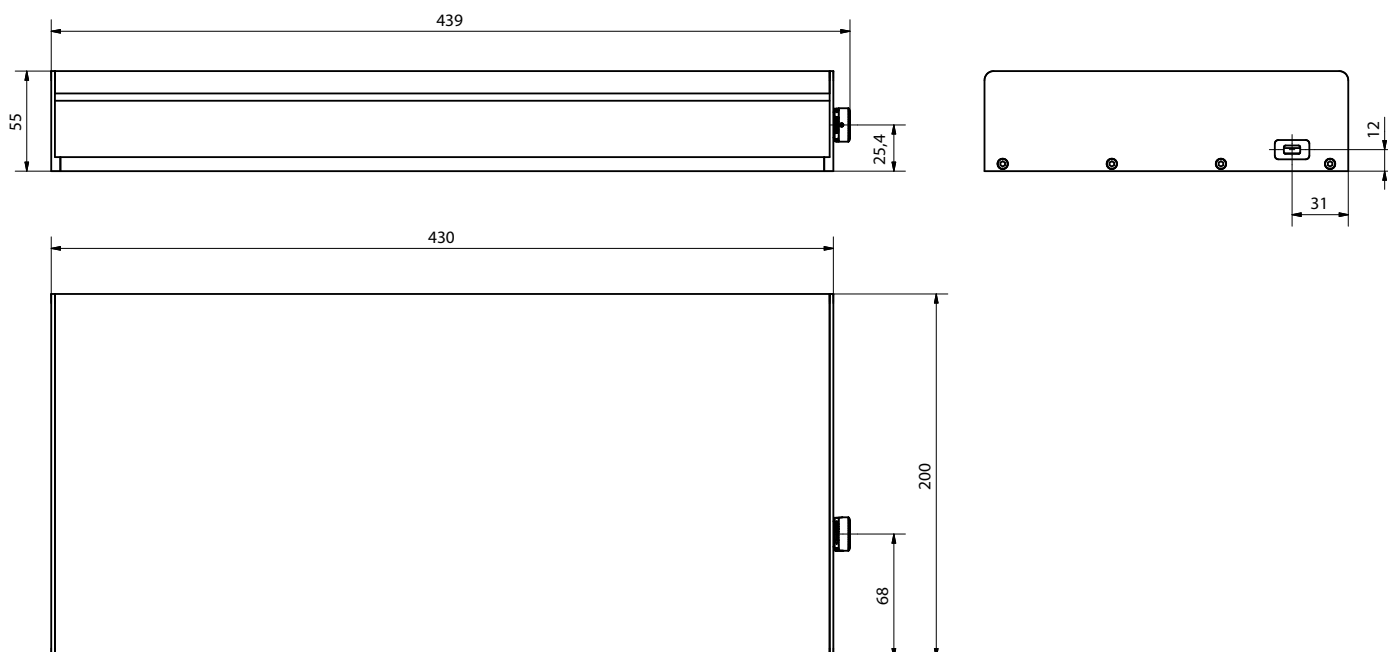
Fourier transform-limited pulse duration	60 – 400 fs
Input central wavelength	1010 – 1070 nm (other on request)
Maximum chirped pulse duration	4 ps
Maximum dispersion	<80000 fs ²
Repetition rate	1 kHz - 200 MHz
Sensitivity	>0.5 nJ at 80 MHz >100 nJ at 1 kHz
Input polarization	Linear, vertical
Integrated high-resolution spectrometer (USB 2.0)	
User-friendly software and manual included	
Optional automated tuning	

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

Physical specification:

Size (including spectrometer)	430 (L) x 200 (W) x 55 (H) mm ³
Electrical	
Manual version	USB powered (5 V, 500 mA)
Automated version	100 - 240 V AC, 50-60 Hz, <70 W
Operating temperature	15-25 °C
Operating humidity	Non-condensing

All dimensions in mm



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