

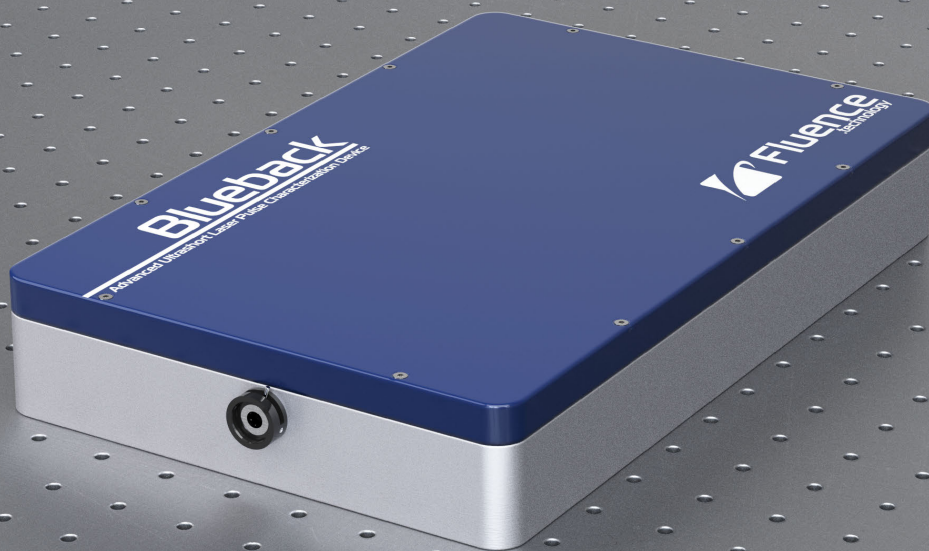


Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

# Blueback

SPIDER Based 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.

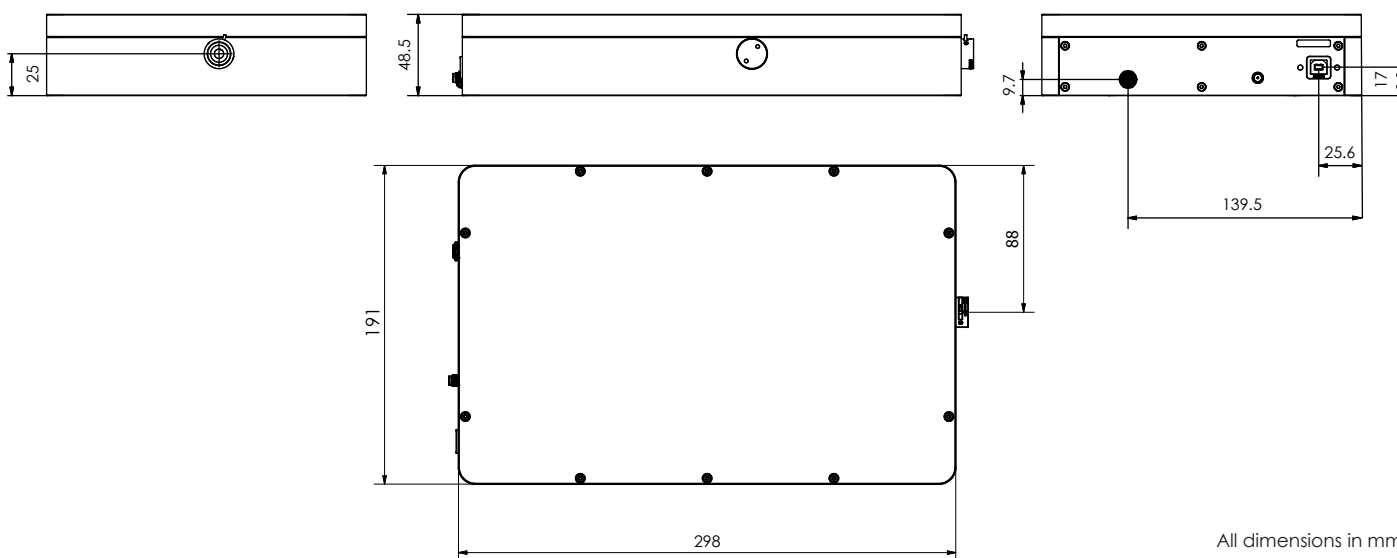
**Technical specification:**

Fourier transform-limited pulse duration	50 – 400 fs
Maximum chirped pulse duration	4 ps
Input central wavelength	1010 – 1060 nm (other on request)
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)	Included
User-friendly software and manual	Included
Automated crystal tuning for various input wavelengths	Optional

**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 <sup>3</sup>
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 specifications are subject to change without prior notice due to continuous improvements.