



Anthelion CR185

Cr:ZnSe Ultrafast Oscillator



Q-Peak's Anthelion is a diode-pumped, ultrafast, Cr:ZnSe oscillator offering turn-key, femtosecond solutions in the infrared for scientific research and materials processing applications. The oscillator provides a stand-alone module for high-repetition rate applications, or can be paired with a custom chirped-pulse regenerative amplifier for high-peak power applications. The Anthelion is operated by a control electronics box with a touch screen display for easy adjustment and monitoring of laser performance.

- **Customer Focused**

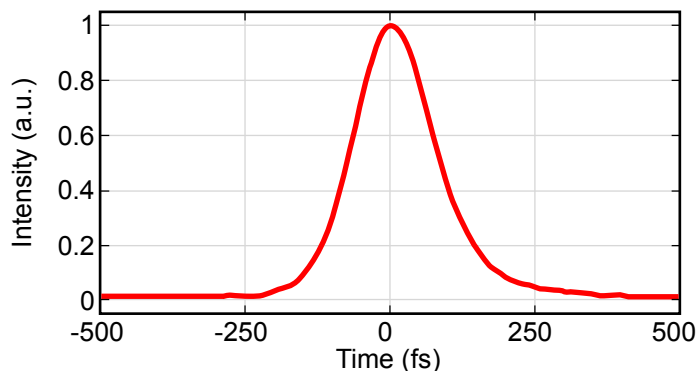
- **Experienced Staff**

- **Laser Driven Innovation**

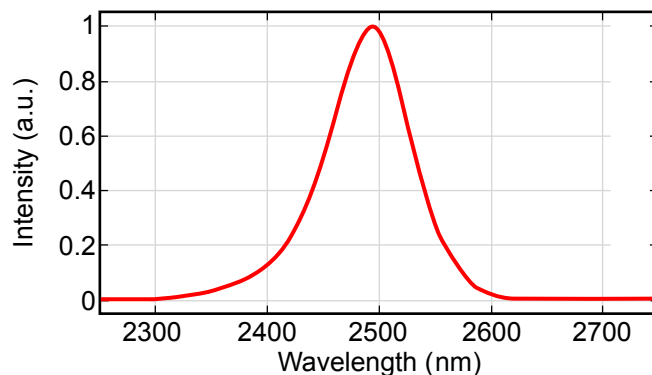


Anthelion CR185 **Cr:ZnSe Ultrafast Oscillator**

Applications in Materials Processing, Remote Sensing, Trace Gas Monitoring, Medical Applications, Semiconductor Spectroscopy, Non-Linear Generation



Autocorrelation



Spectrum

Optical Specifications:

Laser Type	Cr:ZnSe
Center wavelength	2500 nm
Spectral bandwidth (FWHM)	80 nm
Pulse width	100 fs
Pulse repetition rate	100 MHz
Polarization	Linear
Beam diameter	5 mm
Average power	>50 mW

Performance

Physical Specifications, Laser head

Dimensions (length x width x height)	76.2 cm x 19.7 cm x 12.7 cm
Weight	14.6 kg

Physical Specifications, Control Box

Front Panel User Interface	Touch Screen Menu
Rear Panel User Interface	RS232, Ethernet, Safety Interlocks
Dimensions	2U Rack Mount
Weight	6.0 kg
Power Requirement	120 V AC



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