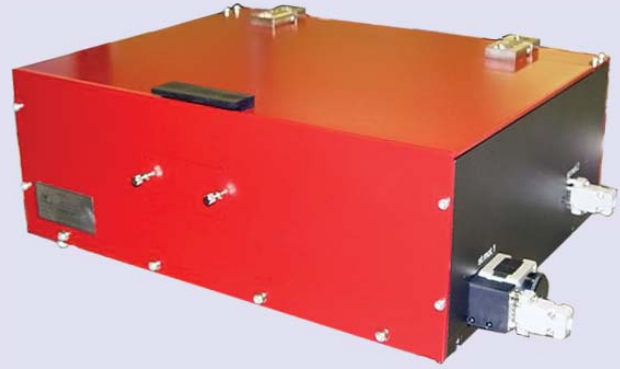


Diagnostics



## IRA-3-10 Autocorrelator

- Pulse duration range 30 fs – 50 ps
- Wavelength range 3-10 μm
- Scan range 150 ps
- No reference beam required
- USB connection
- Acquisition and analysis PC software

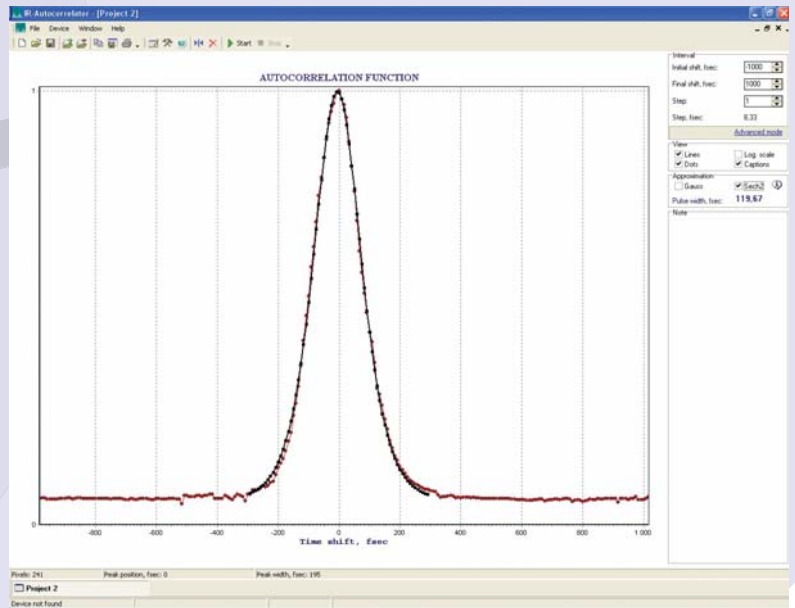


IRA-3-10 autocorrelator

### Product overview

The IRA-3-10 autocorrelator is an indispensable tool for high resolution pulse duration measurement of femtosecond and picosecond OPAs. The unit consists of an optical head and an electronic control unit with USB interface for easy PC control. The software is included in the package and displays the AC trace and calculates pulse duration with Gaussian and sech<sup>2</sup> fitting options and data storage and export. Learn more...

The wavelength coverage of the unit is divided into three ranges: 3-5.5 μm, 5.5-7 μm and 7-10 μm, each being covered by a relevant exchangeable optics set.



IRA-3-10	
Wavelength range, μm	3-10*
Pulse duration range	30 fs - 50 ps
Input repetition rate, kHz	<3
Input polarization, linear	horizontal (vertical upon request)
Input pulse energy, μJ	<10
Temporal resolution, fs	8.3
Temporal range, ps	150
PC connection	USB
Necessary equipment	PC with Windows OS
Power supply	220/110 V AC; 50/60 Hz ±10%
Dimensions, mm	400x250x210 (optical unit) 250x180x90 (electronic unit)

\* - the wavelength range is subdivided into three subranges: 3-5.5, 5.5-7 and 7-10 μm that are covered by exchanging the crystal and selecting filter. Please specify the desired wavelength range when requesting a quote.