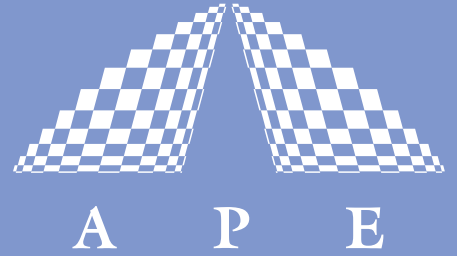


Mini



AUTOCORRELATOR

The **Mini** is a compact, interferometer based autocorrelator for measuring the pulse width of fs and ps laser systems with any repetition rate > 500 Hz. It is available for different wavelength ranges, easy to adjust and to use.

The wavelength range is chosen at the time of order and then fixed for the individual device. For in the field interchangeable wavelength ranges, please see our autocorrelator **PulseCheck**.



fs resolution

All-reflective optics

Measurement of background free and interferometric autocorrelation functions

Display of width of autocorrelation function

Very compact and rugged design

Data transfer via RS232

Ultrafast Pulse Diagnostics

Wavelength Conversion

Pulse Management

Acousto-optics

Your Partner in Ultrafast

Mini

SPECIFICATIONS

Scan ranges	150 fs ... 15 ps
Measurable pulse width	50 fs ... 3.5 ps
Scan rate	~ 10 Hz
Linearity of position signal	Better 1% of actual scan range
Sensitivity	10^{-4}W^2
Wavelength ranges	VIS I 420 ... 550 nm VIS II 540 ... 750 nm NIR 700 ... 1100 nm IR 1000 ... 1600 nm
Input polarization	Linear / horizontal
Interaction	Collinear / Non-collinear
Power supply	95 ... 240 V, 50 ... 60 Hz, 8 W
Readout	Monochrome graphical display
Outputs	Delay: analog 0 ... 10 V (for external oscilloscope) Signal: analog 0 ... 10 V (for external oscilloscope) USB and RS232 serial interface
Input	Trigger: TTL, $f < 10 \text{ kHz}$

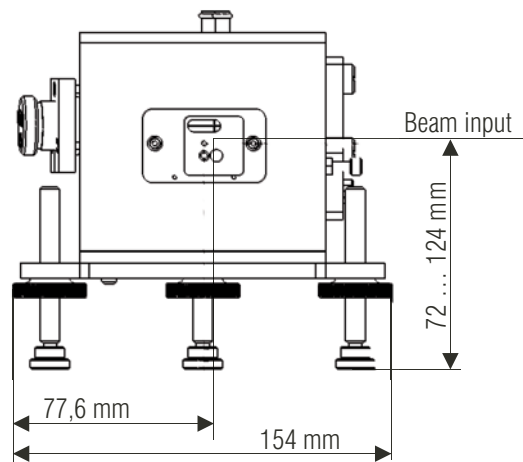
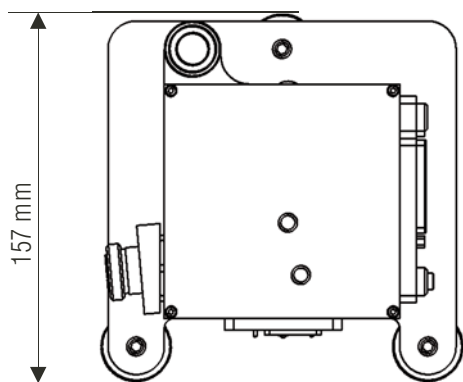
OPTIONS

Fiber input
Short pulse optics
Windows control software
Input polarisation rotator

DIMENSIONS (in mm)

Control Electronics (W*L*H): 210*144*125

Optical Unit:



Distributors

see APE website www.ape-berlin.com

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APE follows a policy of continued product improvement. Therefore, specifications are subject to change without notice.

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