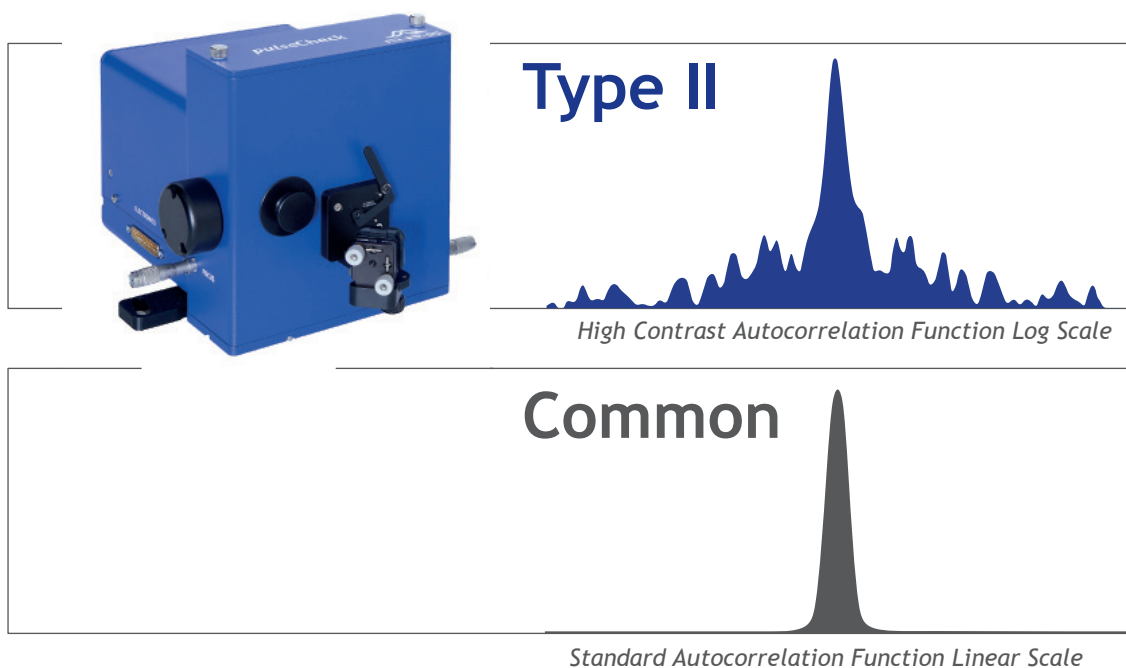


pulseCheck Type II High Contrast

High Dynamic Range Measurements for High Contrast Pulse Characterization

Revealing Pre-pulses, Pedestals, Satellites

- With a high contrast of > 60 dB *pulseCheck Type II High Contrast* reveals temporal information of intense pulses including their pre-pulses and pedestals.



- Measuring intense pulses and their pre-pulses and pedestals
- High dynamic range measurements of up to 10^6 contrast ratio*
- Ultra-precise delay resolution
- Automatic phase matching
- NIST traceable calibration
- Ready to use software and USB interface
- TCP/IP remote control with standardized command set for easy programming

* Defined as the ratio of the peak intensity of the main pulse to its background

pulseCheck Type II High Contrast Specifications

Specifications

Measurable Pulse Width Range	depending on Base Unit: < 10 fs ... 3.5 ps < 10 fs ... 12 ps < 50 fs ... 35 ps < 120 fs ... 60 ps < 120 fs ... 150 ps < 120 fs ... 300 ps < 120 fs ... 400 ps
Wavelength Range	NIR 700 - 1200 nm (Others on request)
Detector	PD
Dynamic Range	> 60 dB
Delay Linearity	< 1 %
Delay Resolution	< 0.001 % of scan range
Recommended Repetition Rate	10 Hz and above
Type of Measurement Mode	Collinear
SHG Tuning for Phase Matching	Automatic
Trigger Mode	TTL, f < 50 kHz; pulseCheck SM < 1 kHz
Input Polarization	Linear
Input Beam Coupling	Free-space
Input Aperture	6 mm (free-space)
Software	Included; Real-time display of pulse width and central wavelength
Connection	USB
Remote Control	Possible via TCP/IP (SCPI command set)
Calibration	NIST traceable calibration certificate included

Dimensions and Power

Dimensions	250 x 190 x 315*/350*/440* mm (*depending on base unit)
Power	95 ... 240 V, 50 ... 60 Hz, 60 W

Contact

APE Angewandte Physik & Elektronik GmbH

Plauener Str. 163-165 | Haus N | 13053 Berlin | Germany

T: +49 30 986 011-30

F: +49 30 986 011-333

E: sales@ape-berlin.de

www.ape-berlin.de

Your local contact:

