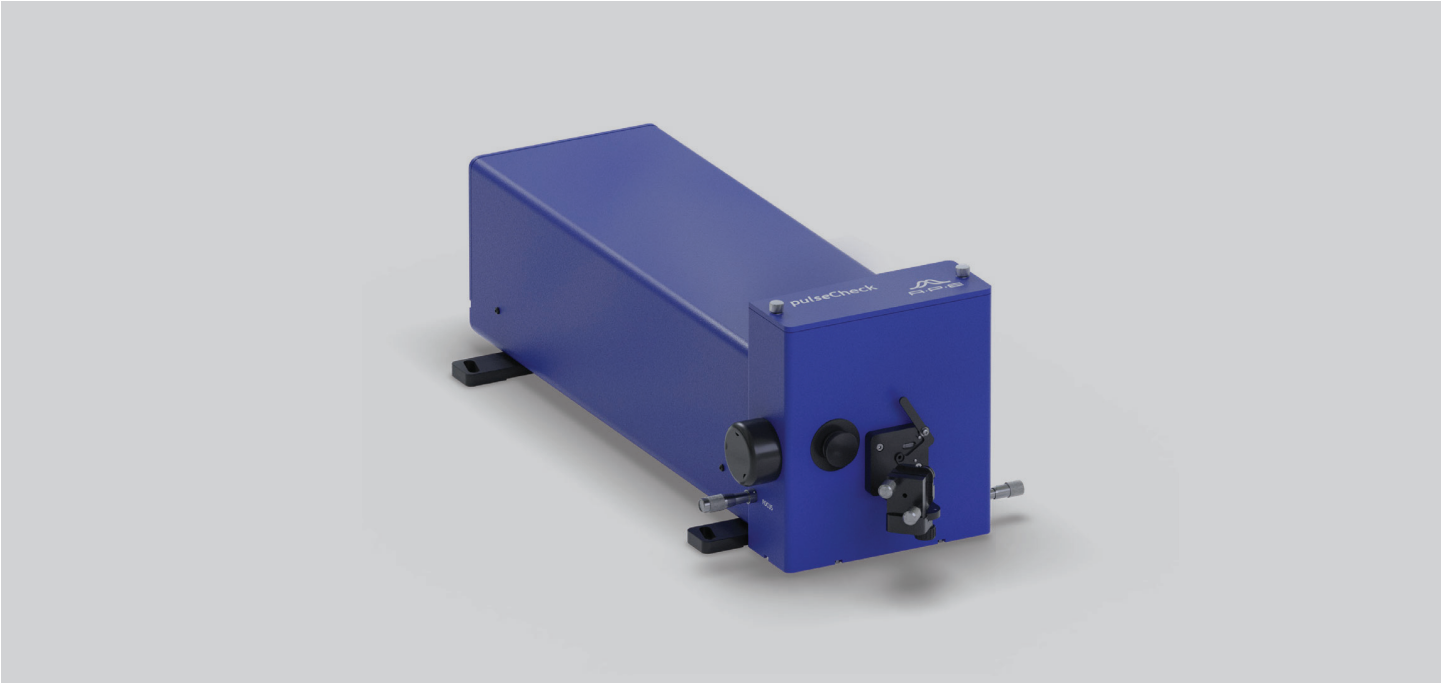
pulseCheck SM 2000
Long-Range Autocorrelator

Pulse Width Measurement up to 500 ps

With the revised version of the long-range delay technology in pulseCheck SM, the new autocorrelator offers a scanning range up to three times larger and a measuring speed up to five times faster than the previous long-range models. The pulseCheck SM includes a high performance controller that is integrated into the device.

The pulseCheck SM is suitable for particularly long pulse widths of up to 500 ps. At the other end, short pulses down to 20 fs widths can be measured. A resolution of 1 fs and a sampling rate of 1 MHz is available over the entire measurement range.



- Pulse widths from 20 fs up to 500 ps
- Optics Sets from 200 nm to 12 µm
- Measurement speed of 120 ps/sec
- Integrated high performance controller
- Toggle between interferometric and intensity autocorrelation
- Wide range of sensitivity levels covered with PMT, PD, and TPA
- USB & Ethernet connectivity and TCP/IP remote control
- Gaussian, $Sech^2$, and Lorentzian fitting routines
- NIST traceable calibration

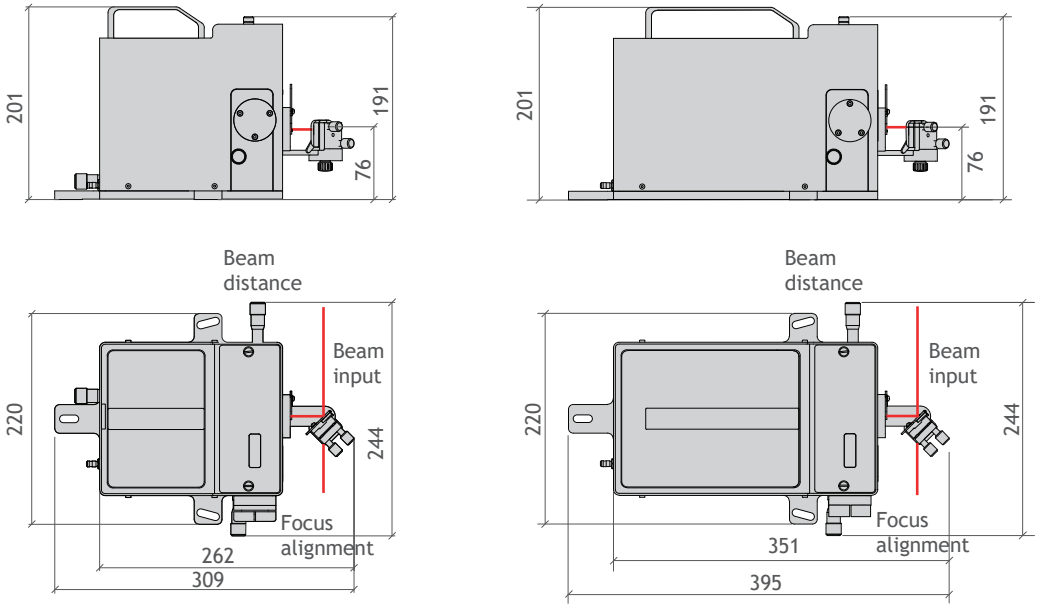
Appendix Technical Drawings

All dimensions in mm

pulseCheck NX

- Multitalent
  for any task

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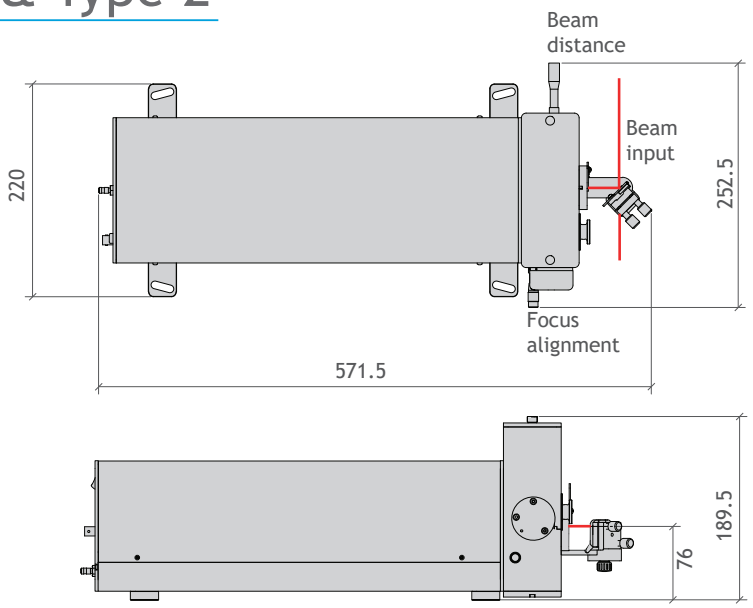
pulseCheck SM 2000 & Type 2

- Long-range autocorrelator
  SM 2000

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- Type 2

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

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