

THz product overview

System Selection Guide

Being an expert for femtosecond fiber lasers and stabilization technology, Menlo Systems integrates the proprietary and patented Menlo figure 9[®] technology lasers into its THz systems for highest reliability and robustness. All THz-TDS systems use fiber-coupled THz emitters and detectors, and are complete and ready-to-use turnkey solutions, including the scanning devices, system electronics, THz antennas and optics, PC and spectrometer software. A smart TCP socket interface allows platform-independent remote control over ethernet connections for seamless integration in existing experiments and industrial environments.

Various add-ons, e.g. for THz imaging, reflection measurements, or in-depth data analysis, are available. Custom fiber lengths to THz emitter and THz detector are available upon request. Moreover, multi-branch configurations are possible, enabling simultaneous measurements of several emitter/detector pairs using only one fs fiber laser oscillator. For an overview over the available extensions, see our THz Add-On guide.

MenloSystems

Installation and user training

Our THz experts perform system installation and staff training in the customers' lab.

Quality Made in Germany

All our systems are manufactured in Germany. Each system undergoes a full qualification prior to shipment to guarantee best performance.

Simple and Compact

Product: TeraSmart



- Compact 19" rack solution
- Industry-proven fs fiber laser
- Industry-proven mechanical delay line
- Highest bandwidth and dynamic range

Scientific and Versatile

Product: TERA K15



- Scientific Laser Platform
- Multicolor Laser Outputs
- Synchronizable Laser Source
- Industry-proven mechanical delay line
- Highest bandwidth and dynamic range

High-end

Product: TERA ASOPS



- Highest speed and flexibility
- Electronical delay
- Pulse-to-pulse scanning
- Multicolor Laser Outputs
- Synchronizable Laser Source

MenloSystems

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Invisible laser radiation
avoid exposure to beam
Class 3B laser

