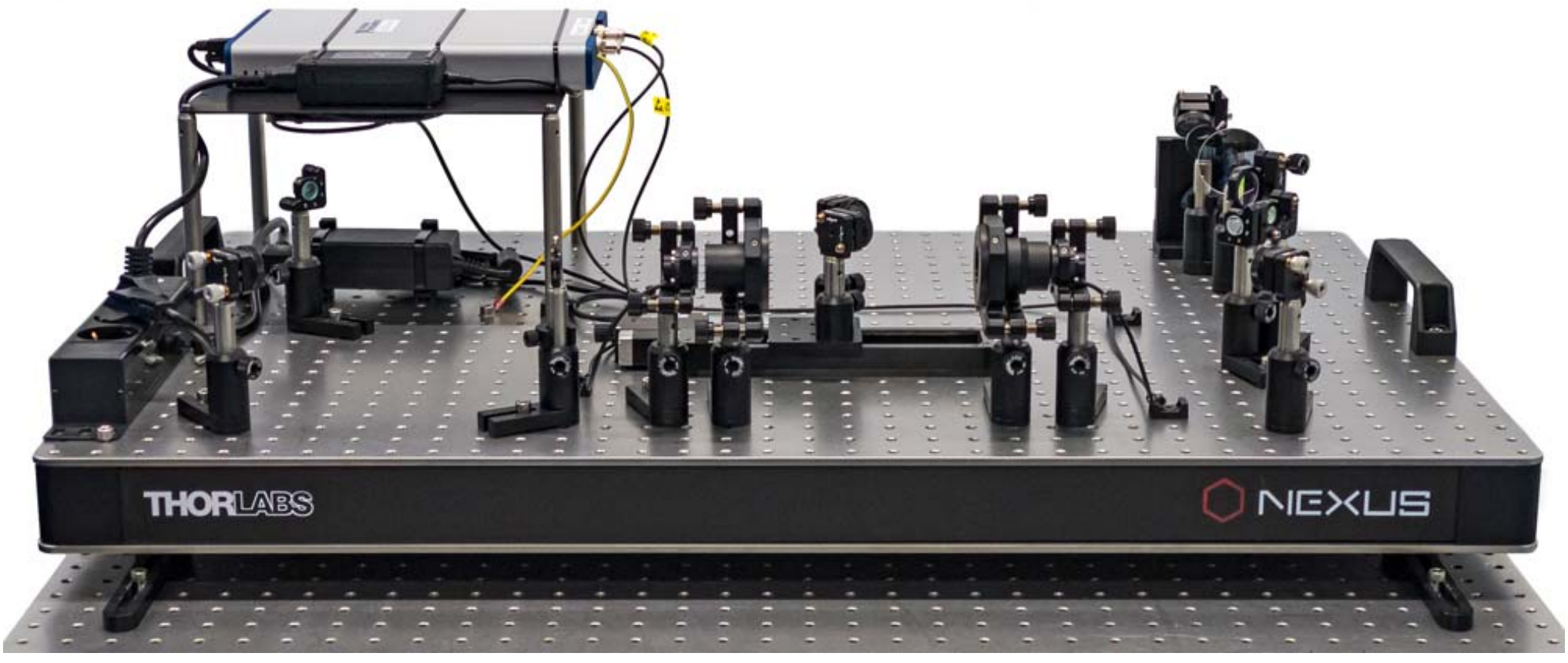
Pre-assembled THz spectrometer



TDS with ~ 800 nm laser

TDS with free space optical path

- Bandwidth**: 0.05 - 4.5 THz
- Dynamic range**: ≥ 85 dB
- Price: 29,350.- €

TDS with fiber coupled antennas and free space optical delay

- Bandwidth**: 0.05 - 3.5 THz
- Dynamic range**: ≥ 70 dB
- Pre-aligned grating based dispersion compensation
- Price: 35,490.- €

TDS with free space optical path antennas and additional fiber coupled antennas

Free space optical path antennas:

- Bandwidth**: 0.05 - 4.5 THz
- Dynamic range**: ≥ 85 dB

Additional fiber coupled antennas:

Price: 42,840.- €

TDS with ~ 1060 nm laser

TDS with free space optical path

- Bandwidth**: 0.05 - 3.0 THz
- Dynamic range**: ≥ 60 dB
- Price: 29,350.- €

TDS with fiber coupled antennas and free space optical delay

- Bandwidth**: 0.05 - 2.5 THz
- Dynamic range**: ≥ 55 dB
- Pre-aligned grating based dispersion compensation
- Price: 35,490.- €

TDS with ~ 1550 nm laser

TDS with free space optical path

- Bandwidth**: 0.05 - 1.5 THz
- Dynamic range**: ≥ 65 dB
- Price: 27,090.- €

TDS with fiber coupled antennas and free space optical delay

- Bandwidth**: 0.05 - 1.5 THz
- Dynamic range**: ≥ 55 dB
- Antennas with dispersion compensating fiber
- Price: 29.090.- €

TDS with free space optical path antennas and additional fiber coupled antennas

- Bandwidth**: 0.05 - 1.5 THz
- Dynamic range**: ≥ 65 dB
- Antennas with dispersion compensating fiber
- Price: 37,800.- €

TDS with fiber coupled antennas, time delay in the THz path

- All-fiber, no open laser beam for improved safety
- Software on CD, without laptop
- Bandwidth**: 0.05 - 1.5 THz
- Dynamic range**: ≥ 65 dB
- Antennas with dispersion compensating fiber
- Price: 21,000.- €

*** Spectral bandwidth and dynamic range for a collimated beam in transmission using a scan interval of 100 ps (spectral resolution 10 GHz) and a scan time of ~ 45 min*

- Pre-assembled THz spectrometers come on a breadboard without housing and with the T3DS software package installed on a laptop. For an additional price of EUR 4,940.- € the spectrometer can be delivered with housing.
- In case you order a free space THz system with housing the sample compartment will enable you to purge the THz beam path with nitrogen - similar as for a TDS10XX system.
- The options available for the benchtop spectrometer TDS10XX can also be ordered for the pre-assembled spectrometer.

Optional parts for pre-assembled THz spectrometers

The measurement capabilities of the pre-assembled THz spectrometers listed above can be extended by additional devices.

> SHT - Sample Holder Transmission more..

> SHR - Sample Holder Reflection more..

> SHA - Sample Holder Attenuated Total Reflection (ATR) more..

> SHB - Sample Holder Base more..

> CUV - TPX CUVette for THz transmission measurements of liquids more..

> SHF - Sample Holder for Fiber coupled antennas more..

> FSU - Fast Scan Unit more..

> IU150 - Imaging Unit 150 mm x 150 mm more..

> 2TPX - set of two mounted TPX lenses 1" diameter more..

> T2T-m - Theta-2-Theta angular scanning unit, manually operated more..

> T2T-a - Theta-2-Theta angular scanning unit, automatically operated more..