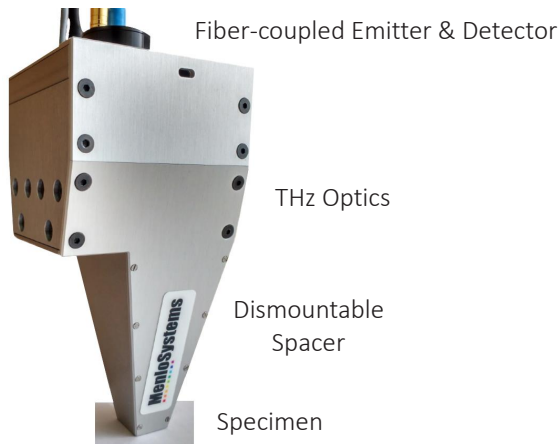


THz Reflection Head



Menlo Systems provides a plug-in, compact terahertz reflection head with integrated optics for high-performance measurements with fixed working distance of 4" (~10 cm). The reflection head is suitable to all Menlo Systems terahertz time-domain spectrometers (THz-TDS) and contains 4 off-axis parabolic mirrors with focal lengths of 2" and 4", respectively.

The strength of this module lies in the uncompromised performance providing a bandwidth of >6 THz in combination with all Menlo Systems' THz-TDS systems. A spacer with a length identical to the working distance offers the best ease of use for placing the sample in the focus. It can be detached for applications demanding contact-free measurements. Rounding this unit up, an alignment target serves to adjust the reflection head and integrate it easily into the measurement setup.

HIGHLIGHTS

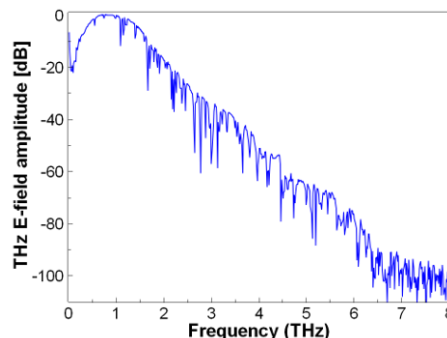
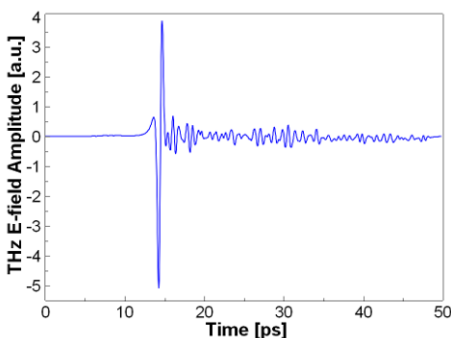
- Plug-in Solution
- Integrated Parabolic Mirrors
- Uncompromised Performance*: 6 THz
- Precise Placing Through Spacer
- Purging Access

SPECIFICATIONS

- 4" Working Distance
- 4 x Off-Axis Parabolic Mirrors
- Alignment Target Included
- Compatible with Menlo Systems' TERA15-FC Terahertz Antennas (1 Emitter, 1 Receiver)

APPLICATIONS

- Non-destructive Testing (NDT)
- Terahertz Spectroscopy
- Art Conservation & Inspection
- Layer Thickness Measurements (e.g. Automotive and Pharmacy)



*Typical terahertz reflective measurement using newest Menlo Systems' TeraSmart or TERA K15 showing time-domain signal and spectrum (50 ps scan window measured at 24 Hz).

ORDERING INFORMATION

Product Code

THz Reflection Head

Please call for pricing. Specifications are subject to change without notice. Custom modifications are available, please inquire.

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