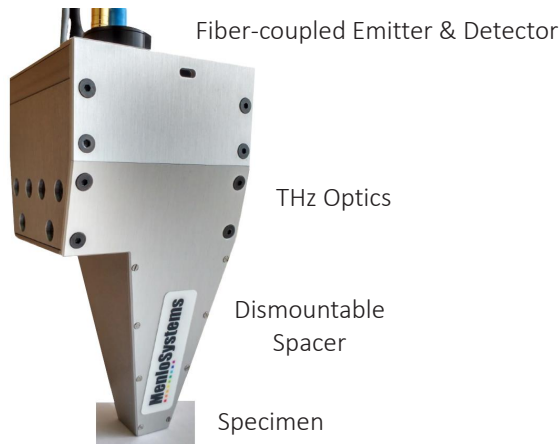


THz Reflection Head



HIGHLIGHTS

- Plug-in Solution
- Integrated Parabolic Mirrors
- Uncompromised Performance*: 6 THz, 95 dB
- Precise Placing Through Spacer
- Purging Access

SPECIFICATIONS

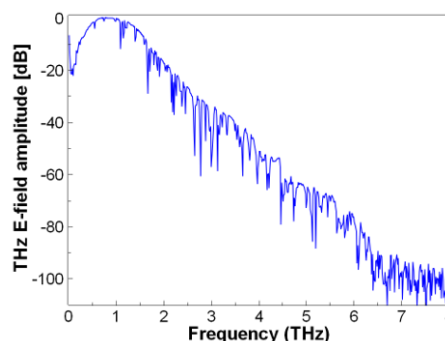
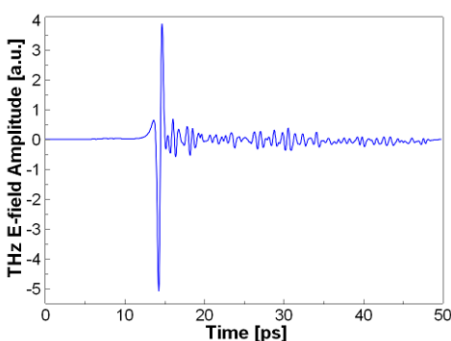
- 4" Working Distance
- 4 x Off-Axis Parabolic Mirrors
- Alignment Target Included
- Compatible with Menlo Systems' TERA15-FC Terahertz Antennas (1 Emitter, 1 Receiver)

APPLICATIONS

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

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 and >95 dB peak dynamic range in combination with our TeraSmart and TERA K15 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.



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

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