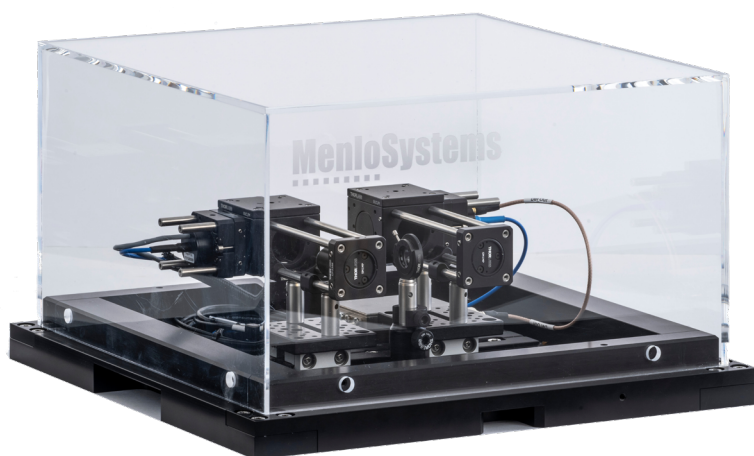


# THz Purge Box



Menlo Systems provides a complete purge box add-on compatible to all terahertz spectrometers and the state-of-the-art Menlo THz optics. It provides a ready-to-use enclosure made of transparent Plexiglass nicely mounted to a solid metallic base. The enclosure offers cable feedthroughs, handles for lifting, and 2 connectors for standard 6 mm purging tubes.

The standard size fits a 30 x 30 cm base breadboard (suitable for Menlo Systems parabolic transmission optics).

The extended size fits a 60 x 30 cm base breadboard (suitable for: multi-channel THz systems, reflection guides and custom settings).

## HIGHLIGHTS

- Water Line Free THz Spectroscopy
- Completely Engineered Solution
- Integrated Purging Tube Adapters (x2)
- Integrated Cable Feedthroughs
- Integrated Handles for Easy Lifting

## SPECIFICATIONS

- Fast Purging Times (1 min)<sup>†</sup>
- High Purge Retention (>15 min)
- Standard Size: Compatible with Menlo Systems Parabolic Optics
- Extended Size: Compatible with Multi-channel Option, Reflection Guide Optics and Custom Optics

## APPLICATIONS

- THz Spectroscopy
- Material Characterization
- Pharmaceutical Testing

Dimension for the standard version	Dimension*
Lateral clearance at beam height**	100 mm
Inner dimensions of the box (vertical)	200 mm
Inner dimensions of the box (horizontal)	320 x 350 mm

\* Tolerances: ± 5 mm

\*\* To nearest wall, adjustable up to 200 mm

Table of recommended purge times <sup>†</sup>		
Flow rate	Typical purge time to 5% RH	Typical purge time to 1% RH
25 L/min	1 minute	2 minutes
10 L/min	2 minutes	6 minutes

<sup>†</sup> Relative Humidity (RH) measured after breaking purge by removing the Plexiglas cover for 60 seconds. Initial purge may be slower due to water adsorption to the inner surfaces of the THz Purge Box. Environmental conditions during characterization: 20% RH, 25°C.

## ORDERING INFORMATION

<b>Product Code</b>	THz Purge Box
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Please call for pricing. Specifications are subject to change without notice.

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