



TA-5000A with Clamshell Compact Chamber

## ThermalAir TA-5000A/B Compact Chamber Clamshell Chamber Accessory

ThermalAir Clamshell Style Compact Chamber is for temperature testing all types of components such as automotive sensors, fiber optic components, microwave hybrids, MCM, PCB or any electronic/non-electronic parts. The ThermalAir Clamshell Compact Chamber can integrate as part of your test.

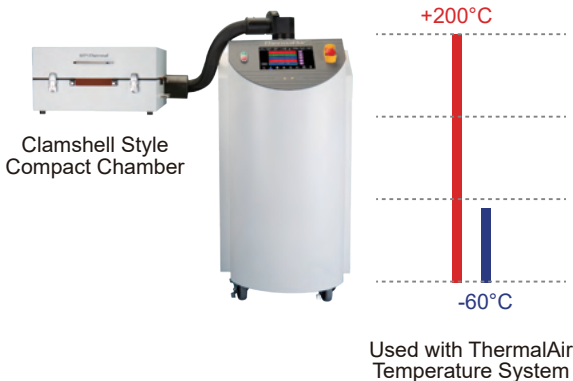
The ThermalAir TA-5000 system brings precise thermal capabilities directly to your test application, exactly localizing to where temperature testing is required.

The Clamshell Compact Chamber can be open and closed for quick and easy loading/unloading of your parts that need temperature testing and thermal conditioning. Temperature test your electronic/non-electronic parts and other devices at temperatures from  $-60^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$  with temperature accuracy and uniformity unmatched by large environmental chambers.



Clamshell Compact Chamber - Open/Close Easily

- No LN<sub>2</sub> or CO<sub>2</sub> required
- Interchangeable compact chamber sizes
- Feed-Thru for connecting wires and test cables to your DUT
- User-controlled ramp rates and dwell times
- Frost-free operation
- Additional internal temperature probe



Used with ThermalAir Temperature System

- Temperature range  $-60^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$
- Temperature accuracy  $\pm 1.0^{\circ}\text{C}$
- Easily connects to ThermalAir TA-5000A/B via Flex Hose
- Cables connect while testing hot & cold via feed-thru high temperature seals
- Frost-free operation at ultra-cold temperatures with CDA and Heated Purge around the seals

## SPECIFICATION

### Performance

Temperature Change Rate (in minutes)

Ambient to +125°C	<8.0 minutes
+125°C to Ambient	<8.0 minutes
-40°C to Ambient	<3.0 minutes
Ambient to -40°C	<11.0 minutes
Uniformity	2.0°C range from setpoint

\* The temperature performance is dependent on the output airflow of TA-5000A/B.

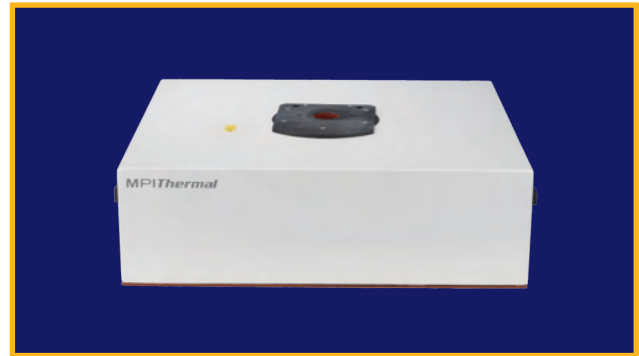


### Models

Compact Chamber - Clamshell Model



Compact Chamber - Hood Model



See Compact Chamber Hood Model Data Sheet

### Weights and Dimensions

Compact Chamber Model	Clamshell	Hood
Inside Diameter (ID) cm (in.) nominal	35.4W x 40.6D x 15.6H cm (14.0W x 16.0D x 6.1H in.)	35.6W x 40.8D x 12.3H cm (14.0W x 16.0D x 4.8H in.)
Outside Diameter (OD) cm (in.) nominal	45.9W x 51.1D x 26.2H cm (18.0W x 20.1D x 10.3H in.)	45.8W x 51.0D x 17.4H cm (18.0W x 20.1D x 6.8H in.)
Weight - kg (lbs.)	19 kg (41.9 lbs.)	3.7 kg (8.2 lbs.)

### Features

Compact Chamber Model	Clamshell	Hood
ThermoCouple Connection	1	1

MPI Thermal Air Clamshell Compact Chamber