



TA-5000A with Compact Chamber Hood

## **ThermalAir TA-5000A**

### **Compact Chamber**

### **Hood Chamber Accessory**

ThermalAir Compact Chamber Hood is for temperature testing semiconductor devices, automotive sensors, fiber optic components, microwave hybrids, MCM, PCB or any type of electronic / non-electronic parts. ThermalAir Compact Chamber Hood can integrate to your test setup.

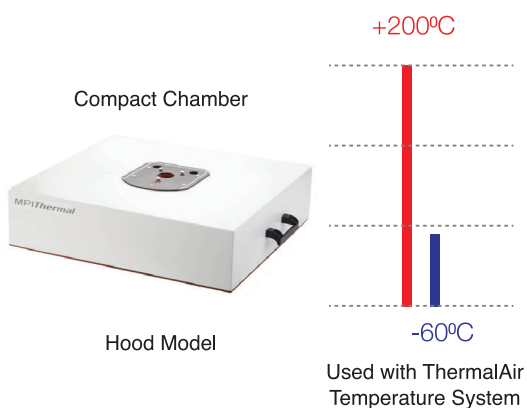
The ThermalAir TA-5000 can bring precise thermal capabilities directly to your test application localizing the test where it's required.

ThermalAir TA-5000 Compact Chamber Hood can be raised up and lowered down over your components under test. Temperature test and cycle your electronic and non-electronic parts and other devices at temperatures from -60°C to +200°C with a temperature accuracy and uniformity unmatched by large environmental chambers.



Hood Compact Chamber up/down on test component

- No LN2 or CO2 required
- Interchangeable Compact Chamber sizes
- Feed-Thru for connecting test cables, plugs and connectors to device under test
- Fast ramp rates and temperature transition times [user controlled]
- Additional internal temperature probe [location is defined by user]



- Temperature range -60°C to +200°C
- Temperature Accuracy +/-1.0°C at the output of TA-5000A
- Easily connects to ThermalAir TA-5000A [No tools required]
- Cables connect while testing hot & cold via feed-thru high temperature seal
- Frost Free operation at ultra-cold temperatures with CDA and Heated Purge around seals

## SPECIFICATION

### Performance

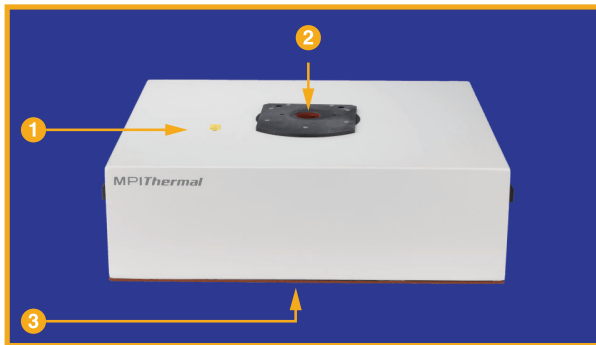
#### Temperature Change Rate (in seconds)

Ambient to +125°C	< 3 minutes
+125°C to Ambient	< 2 minutes
Ambient to -40°C	< 3 minutes
-40°C to Ambient	< 1 minutes
Uniformity	2.0°C range from setpoint

1 For optimal performance, use Compact Chamber closest in size to the UUT.  
2 Performance is measured on Hood using TA-5000A at 18 SCFM airflow rate.



Compact Chamber Hood Model



1. Internal Temperature Control Probe Sensor data sheet
2. Quick connect / disconnect to TA-5000A Thermal Head
3. High Temperature seal gasket

Compact Chamber Clamshell Model



Note: See Compact Chamber Clamshell data sheet

## Weights and Dimensions

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

## Features

Compact Chamber Model	Hood	Clamshell
ThermoCouple Connections	1	1