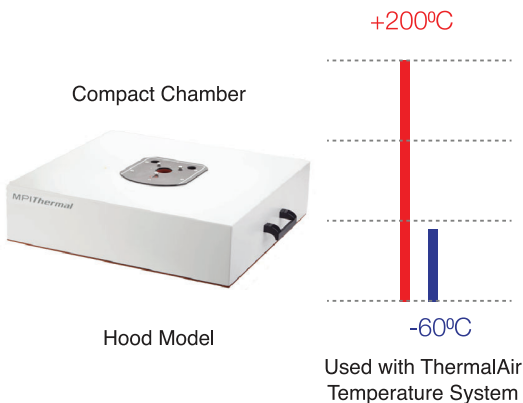




TA-5000A with Compact Chamber Hood



Hood Compact Chamber up/down on test component



Used with ThermalAir Temperature System

ThermalAir TA-5000A/B

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.

- 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)

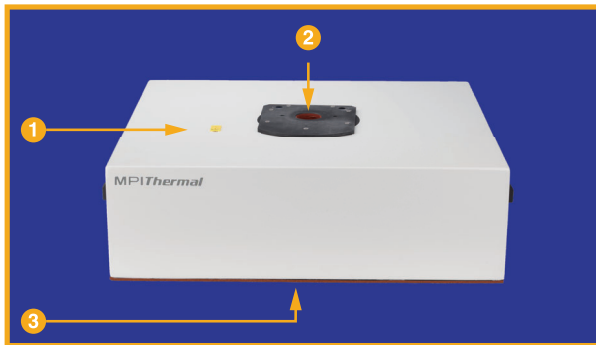
Ambient to +125°C	< 3 minutes
+125°C to Ambient	< 2 minutes
-40°C to Ambient	< 3 minutes
Ambient to -40°C	< 1 minutes
Uniformity	2.0°C range from setpoint

1 For optimal performance, use Compact Chamber closest in size to the UUT.

2 Performance is measured on Hood using TA5000A at 18scfm 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 40.6D x 10.2H cm (14W x 16D x 4H in.)	35.6W x 40.6D x 15.7H cm (14W x 16D x 6.2H in.)
Outside Dimension (OD) cm (in.) nominal	46.7W x 51.8D x 15.7H cm (18.4W x 20.4D x 6.2H in.)	45.7W x 50.8D x 25.9H cm (18W x 20D x 10.2H 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