



TA-5000A with Compact Chamber Clamshell

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

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

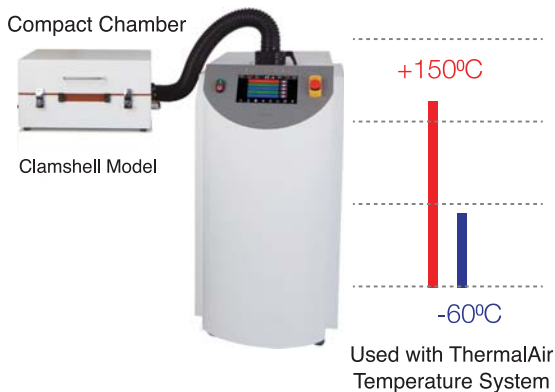
The ThermalAir 5000 can bring precise thermal capabilities directly to your test application localizing the test where it's required.

ThermalAir 5000 Compact Chamber Clamshell can be opened and closed for quick and easy loading / unloading your parts that need temperature test and conditioning. Temperature test your electronic and non-electronic parts and other devices at temperatures from  $-60^{\circ}$  to  $+150^{\circ}\text{C}$  with a temperature accuracy and uniformity unmatched by large environmental chambers.

- No LN2 or CO2
- Interchangeable chamber sizes
- Feed-Thru for connecting wires and test cables to your UUT
- User Controlled ramp rates and dwell times
- Frost Free Operation
- Additional Internal Temperature Probe



Clamshell Compact Chamber Open/Close Easily



- Temperature range  $-60^{\circ}$  to  $+150^{\circ}\text{C}$
- Temperature Accuracy  $\pm 1.0^{\circ}\text{C}$  at the output of TA-5000A/B
- Easily connects to ThermalAir TA-5000A/B via Flex Hose
- 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

**MPI Thermal ThermalAir Clamshell Compact Chamber**



**SPECIFICATION**

**DATASHEET - TA-5000A - Clamshell Compact Chamber**

**Performance**

Temperature Change Rate ( in seconds)

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	at the setpoint temperature

\* Temperature performance is dependent on output air flow of TA-5000A/B



Compact Chamber Hood Model

Compact Chamber Clamshell Model



See Compact Chamber Hood Model Chamber Data Sheet



Compact Chamber Clamshell Model Chamber 14Wx16Dx6.2H inches

**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.)	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.)	19kg (41.9 lbs.)

**Features**

Compact Chamber Model	Hood	Clamshell
ThermoCouple Connections	1	1