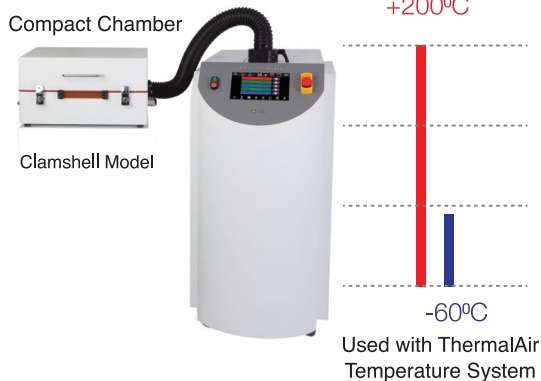




TA-5000A with Clamshell Compact Chamber



Clamshell Compact Chamber Open/Close Easily



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

ThermalAir TA-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°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 wires and test cables to your UUT
- User controlled ramp rates and dwell times
- Frost free operation
- Additional internal temperature probe

- Temperature range -60°C to +200°C
- Temperature Accuracy +/-1.0°C
- 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

SPECIFICATION

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 | 2.0°C range from setpoint |



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

Compact Chamber Hood Model



See Compact Chamber Hood Model Data Sheet

Compact Chamber Clamshell Model



Compact Chamber Clamshell Model 14Wx16Dx6.1H inches

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 |

MPI Thermal Air Clamshell Compact Chamber
A Division of MPI Corporation