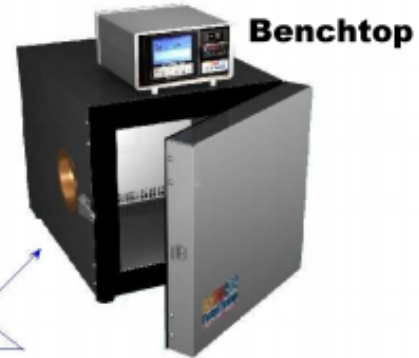


Custom Cryogenic Temperature Chambers

Standard Range -100°C to +200°C (-148°F to 392°F)

Extended Temperature Ranges Available -195 to +450°C

Temperature cycling chambers can be supplied on a custom basis.
Please contact the factory to define your requirements.



Custom Side Flow Design



- Stainless Steel Construction
- Extended Ranges Available
- Aperture for DUT Connection
- One Temperature Controller Can Control Two Zones
- Control Simultaneously or Independently
- Rear Wall Card slots for Externally Mounted Rack
- Door Hinges Left or Right
- Front Door to Access DUT Rack
- Castered Stand
- Built-in Lower Shelf

Two in One Stack



Coolant choices

- L-N₂ -100°C, High or Low Pressure
- L-CO₂ -60°C, High or Low Pressure
- Optional Refrigeration Compressor,
Recirculating Fluid or Other Custom Options

Cost Efficient, Fast and Accurate Temperature Cycling Just Got a Lot Easier

TotalTemp provides complete thermal testing systems featuring extremely accurate temperature control and minimal thermal gradients at set-point. TotalTemp has truly created the next generation in performance at a competitive price!

For more on Custom Temperature Chambers [CLICK HERE](#)

**“Best in Test” Award Winning Temperature Controller
The Synergy Nano 5th Generation**

- Color LCD Touch Screen
- Thumb Drive Compatible or USB Mouse
- Dual Platform Control, Capable of Running Two Plates
- Ethernet 10/100, Serial Port and Optional GPIB
- Logging, Graphing, Printing and E –mail
- Expandable for Multiple External Sensors
- Selectable Resume Control Functions
- Built in Multiple Configurable Alarms



The Award Winning Synergy Series was built from collaboration with OEMs, test labs, re-furbishers and end-users. Fully equipped with features and available options that are now an industry standard. It has enhanced the overall efficiency of environmental testing. Tasked with thermal cycling, conditioning, thermal shock, vacuum testing and they provide dual-zone control. Continuous innovation has produced the ultimate Controller for mission-critical environmental test

Combined Convection Conduction Chamber [CLICK HERE](#)



HBC144-N Combined Convection Conduction Temperature Chamber

- The speed of conductive heat transfer with thermal platform base
- Convection box to assist performance and reduce gradients
- Two standard sizes
- Dual Zone Controller, offers exceptional flexibility
- Can drive two independent temperatures for stress tests
- Easy benchtop access
- Wide temperature range, +175°C to -75°C
- Left and right cabling access
- L-N₂ cooling for optimum speed and economy, 120v. Operation
- Cuts test times in half

Options & Accessories [CLICK HERE](#)

Chainable Multi DUT Sensor Module for logging and secondary control



DUT Sensor Terminal Block



DUT Sensors



Purge Flow & Pressure Regulator



L-N₂ Armored Hose with Insulation



Dual Remote Cryogenic Valve Box



Failsafe System with Valve, Economy Controller shown



VJ Hose (Vacuum Jacketed) for L-N₂



Dual Zone, Dual Temperature Controllers w/Failsafe in 19 Inch Rack—Controls 4 zones as shown



- Custom Feed Through
- Nitrogen Monitoring systems
- Dry Nitrogen Purge Regulator
- Extended Temperature Ranges
- Advanced Logging/Plotting
- Failsafe System with Valve
- Independent Safety Controller
- Cryogenic Delivery Hoses
- Choice of DUT Sensors/Probes
- DUT Sensor Terminal Blocks
- Hot /Cold Programmable LEDs
- Remote Valve Box
- 19 Inch Rack Mount