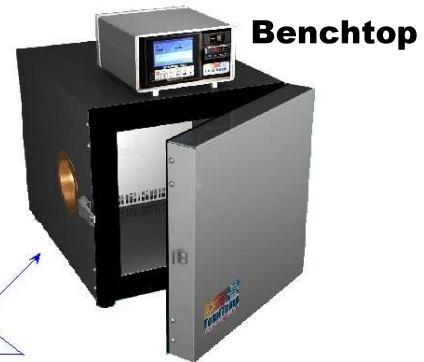


Custom Cryogenic Temperature Chambers

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

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!

“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



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. **Synergy Nano Controllers** are 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

Economical, Reliable Watlow Controller



Watlow EZ Zone PM Controller

- Great Functionality at an Affordable Price
- PID Controller With a Large Display
- Programmable EZ (shortcut) Button
- Communication Protocol Options
- Built in Failsafe and Limit Features

The **Watlow EZ Zone PM Temperature Controller** is ideally suited for those applications where precise control and accuracy is still needed, but a simpler more cost effective solution is sufficient for the task.

— *Either controller can be configured as an upgrade for other manufacturers systems* —

Options & Accessories

Small Custom Composite Design

Dual Zone Dual Temperature Controllers w/Failsafe in 19 Inch Rack

DUT Sensors

Purge Flow & Pressure Regulator

Failsafe System with Valve, Economy Controller

Dual Remote Cryogenic Valve Box

VJ Hose (Vacuum Jacketed)

DUT Sensor Terminal Block

L-N2 Armored Hose with Insulation

- Custom Feed Through
- Composite Construction
- 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