The Front Load Style THERMOCHAMBER™ is a compact, extremely portable, chamber that is ideal for bringing components, assemblies, and other parts to temperature directly at the test site or benchtop.

**Key Benefits**

- Portable
- No LN₂ or LCO₂ required
- Frost-free low temperature testing
- Uniform, accurate, controlled thermal environment

**Bring Temperature to your Test with MOBILETEMP™!**

For the most efficient thermal testing and cycling of Devices Under Test (DUTs), samples, and components, use the Front Load Style THERMOCHAMBER™ combined with a THERMOSTREAM® temperature forcing system to create a precise and portable temperature testing system.

THERMOCHAMBERS™ are available in a variety of styles and sizes and they can be used interchangeably with THERMOSTREAM® temperature sources to provide a modular and flexible range of MOBILETEMP™ systems.

**FEATURES AND ADVANTAGES**

- -40°C to +200°C Temperature Range
- Up to 85 liters (3 cubic feet) capacity inside chamber
- Easy access for loading DUTs; convenient removable shelves for stacking PCB, components, etc
- Universal Mount Door opens on left or right side for convenient setup
- Fastest available temperature transition rates, no LN₂ or LCO₂
- Patentes Linear Cable Feedthrough Ports enable all test cables to be routed easily to the DUT
- Chamber includes 10 thermocouple connections for monitoring and controlling temperature directly at the DUT
- Patentes Linear Cable Feedthrough Ports enable all test cables to be routed easily to the DUT
- Proximity Switch to verify the status of the door (open or closed)
- Frost-free temperature testing
Datasheet & Specifications

Performance and Features

Temperature Change Rate* (in minutes)
- Ambient to +125°C: 14.3  |  +125°C to Ambient: 9.2
- Ambient to -40°C: 18.7  |  -40°C to Ambient: 14.0

Chamber Uniformity*

2.0°C range from setpoint

Refer to Temptronic Product Specification Doc. SL10590
* For optimal performance, DUT must be properly sized
* Performance is measured using THERMOSTREAM® temperature source at 12scfm flow rate

Features

- (1) Removable Shelf to hold test setups and components inside the chamber. Additional shelving available
- Thermocouple Connection
  (10) T-type thermocouple connections with connection ports at chamber interior and exterior
- Patented Linear Cable Feedthrough Ports on chamber’s left and right side. Maximum recommended cable outer diameter is 1.3cm (0.5in)
- (optional) Output Exhaust Hose
- (optional) FLEXEXTENDER™ Air Hose for Chambers not connected via “Direct Dock”

Weights and Dimensions

**FL30 model**

<table>
<thead>
<tr>
<th>Inside Dimensions</th>
<th>Outside Dimensions</th>
<th>Chamber Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>51.0w X 41.0h X 41.0h (±0.3cm)</td>
<td>63.0w X 51.0l X 56.0h (±0.3cm)</td>
<td>25.8 Kg 57.0 lbs.</td>
</tr>
<tr>
<td>(20.0w X 16.0l X 16.0h ± 1/8 in.)</td>
<td>(25.0 X 20.0 X 22.0 ± 1/8 in.)</td>
<td></td>
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