

Home / Environmental Chambers, Ovens / Temperature Chambers / TestEquity Chambers TE-140 Temperature Chamber, 4 Cu Ft, -73 to 175 C, Select 208V or 230V/60Hz 1PH



TESTEQUITY CHAMBERS

# TestEquity Chambers TE-140 Temperature Chamber, 4 Cu Ft, -73 to 175 C, Select 208V or 230V/60Hz 1PH

Our Part # 15879.1

Mfr Part # TE-140



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**\$28,995.00** each

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Out of Stock

Quantity on Order: 23

Manufacturer Lead Time : 84 Days

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Qty:

 - +

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## Description

Additional shipping charges will be applied after checkout

TestEquity Model 140 provides full-range temperature testing with the smallest footprint in its class. Based on the field proven technology of our popular Model 1007C, it offers a more compact package at an economical price.

- **-73°C to +175°C Temperature Range**
- **4 Cu Ft Workspace, 22W x 18H x 18D (116 Liters)**
- **Your choice of the NEW F4T Touch Screen Controller or the Original F4 Controller**
- **High/Low Limit Control and Alarm**
- **Viewing Window & Interior Light**
- **4in Access Ports on Left & Right Side**
- **Non-CFC Cascade Refrigeration**
- **3 Year Parts, 1 Year Labor Warranty**
- **Fast Delivery from Stock**
- **Made in the USA**

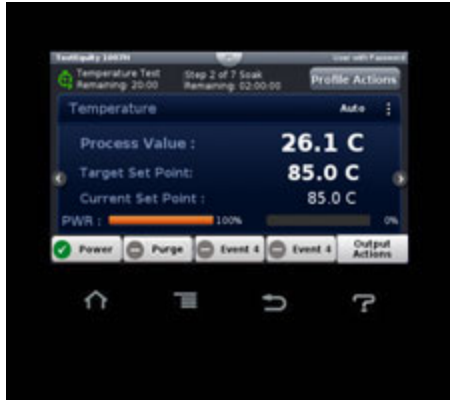


**Input voltage option must be specified at time of order** [Live Chat](#)

Specify 208V (Opt. 0723) or 230V (Opt. 0721) (1PH only)

See Options & Accessories tab for export voltage options.

## Your choice of the NEW F4T Touch Screen Controller or the Original F4 Controller



### F4T Touch Screen Controller

Modern touch screen interface and connectivity



### Original F4 Controller

Developed in 1998

### NEW F4T Touch Screen Temperature Controller

The F4T is our next-generation controller. Featuring a touch-screen interface, it's exceptionally easy and intuitive to use. Includes RS-232 and Ethernet interfaces. GPIB is available as an option.

#### F4T Feature

4.3 inch TFT Projected Capacitive (PCAP) color graphic touch screen

Direct alphanumeric parameter entry

Multiple levels of password security

Profile archiving and transfer via USB Flash Drive

Data Logging with transfer via USB Flash Drive or LAN

Graphical Trend Display

#### F4T Benefit

Modern interface for quick entry and readout of parameters and functions

Quick and unambiguous entry of parameters for ease-of-use

Prevent tampering of critical parameters and processes by unauthorized persons

Quickly and easily transfer profiles to multiple chambers

Simplify your documentation process

Eliminate circular chart recorders which have limited usefulness

SCPI Commands	Easy programming of : <a href="#">Live Chat</a> readback of chamber conditions via Ethernet
F4 Compatibility Mode for most frequently used commands	Use your existing software that was written for the original F4
NEMA 4 / IP65 Rated	Front panel protects the controller against damage from dust and water intrusion

[More about the F4T Touch Screen Controller >>](#)

### **Original F4 Temperature Controller**

Up to 256 steps can be programmed into as many as 40 nameable profiles. The context sensitive information key and guided steps make profile programming fast and easy. A four-line backlit LCD displays programming, setup, operating and help information. A large LED readout indicates the actual chamber temperature with 0.1° resolution. Internal logic provides refrigeration compressor control for responsive and reliable performance. Includes two alarms and seven event outputs to control remote devices. RS-232C communications is also included. GPIB, Ethernet and analog retransmit are available as options.

[More about the Original F4 Temperature Controller >>](#)

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### **High/Low Temperature Limit Controller and Alarm**

Provides independent protection against excess temperatures. Both high and low limits can be set. The limit controller will shut down the chamber and trigger the audible alarm in the event of an out of limit condition. A set of uncommitted contacts are available to provide a safety power interlock for your test sample.

### **Viewing Window**

Our unique design virtually eliminates exterior window sweating during normal temperature cycling conditions.

### **Two 4in Access Ports**

Lets you attach wires and sensors to your test sample through both the left and right side of the chamber.

### **Adjustable Shelf**

A heavy-duty stainless steel wire shelf ensures proper airflow around your test sample for uniform temperature distribution.

### Chamber Condensate Drain

The chamber floor has a drain to permit removal of condensate from the evaporator that can occur when cycling between low to high temperatures.

### Casters

Rugged 3in casters permit easy movement.

### Power Cord with Plug

Heavy-duty power cord has a NEMA L6-30P twist-lock plug. Chamber requires 208V or 230V, 1 PH power.

### World's Best Environmental Chamber Warranty

Only TestEquity offers a **3-year warranty on parts** and **1-year warranty on labor**. Our nationwide service network is qualified to do the job right. And we always have replacement parts in stock for immediate shipment. Labor warranty applies to the United States and Canada only. See the complete warranty statement [here](#).

## TECHNICAL FEATURES

### Reliability & Safety That's Designed In

Non-CFC refrigerants are used in a cascade (two compressors) configuration. Expansion valves provide optimum performance throughout the operating range. Pressure regulators keep the operating pressures within safe limits regardless of load conditions. Liquid injection ensures cool compressor operation during high-temperature pull down for long life. Sequential starting of each compressor reduces the current demand on start-up. Each compressor is protected by a pressure switch. Care has been taken to use a minimum number of fittings, joints and welds to reduce the possibility of refrigerant leaks.

All electrical control components are UL approved. Each branch circuit is individually protected with class-CC fuses. The nichrome air-heater has a low watt-density and even heat distribution for reliable performance and fast response. A fusible link provides fail-safe protection against thermal runaways, in addition to the microprocessor-based high/low limit controller.

The side and rear panels are removable to permit complete access to the refrigeration system for ease of service and preventive maintenance.

Condensed Specifications		Live Chat
<b>Temperature Range</b>	-73°C to +175°C	
<b>Tolerance</b>	<b>Control:</b> ±0.2°C; <b>Uniformity:</b> ±0.5°C	
<b>Rate of Change</b>	<b>Heat:</b> 7°C/min; <b>Cool:</b> 4°C/min (avg., -40°C to +85°C)	
<b>Inside Dimensions</b>	22W x 18H x 18D (4 Cubic feet)	
<b>Outside Dimensions</b>	30W x 64H x 42D	
<b>Input Power</b>	208 or 230V, 1 Ph, 60 Hz, 25A (30A minimum service)	
<b>For detailed specifications</b> <a href="#">CLICK HERE &gt;&gt;</a>		

## Technical Manuals ^

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Specifications

Instruction Manual

Why Buy a TestEquity Environmental Chamber?

Environmental Chamber Selection Guide

## Specifications ^

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**Brand:** TestEquity Chambers

**Interior Volume:** 4 Cu Ft

**Temperature, Lowest:** -73C

**Temperature, Highest:** +175C

**Inside Dimension Width:** 22"

**Inside Dimension Height:** 18"

**Inside Dimension Depth:** 18"

Frame Type: Floor-Standing

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Input Voltage: 208/230V, 60Hz, 1 PH

Features: Window/Light

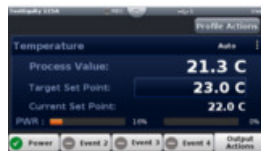
Interface: RS-232, Ethernet

LN2 Boost Cooling: No

Maximum AC Current: 25A

No. of Ports: 2 x 4"

## Options/Accessories



TestEquity Chambers TE-F4T-T F4T Controller for Temperature Chambers



TestEquity Chambers TE-F4-TEMP F4 Temperature Controller





TestEquity Chambers TE-0723 208V 1PH 60Hz Input Power



TestEquity Chambers TE-0721 230V 1PH 60Hz Input Power



TestEquity Chambers TE-0725 230V, 1PH, 50Hz Input Power



TestEquity Chambers TE-1052 GPIB Interface (External)





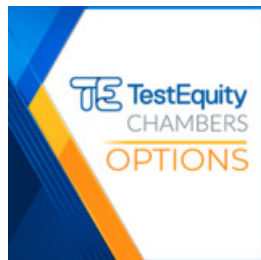
TestEquity Chambers TE-0003 GPIB Interface (Internal)



TestEquity Chambers TE-0036 GN2 Purge for Model 140



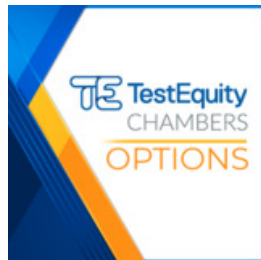
TestEquity Chambers TE-0035 Dry Air Purge for Model 140



TestEquity Chambers TE-1401 Extra Shelf with Clips for Model 140



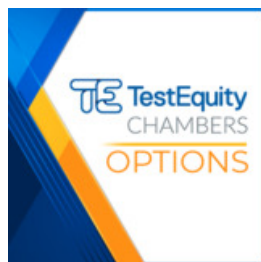
TestEquity Chambers 300534 Port Plug, 4" x 4" (10.16x10.16cm),  
Silicone Closed-Cell Facing



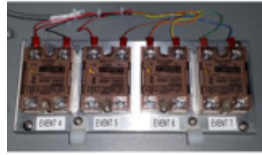
TestEquity Chambers TE-0040-115/123C/140/16CS 4-inch Port for 115,  
123, 140, 1016 Series Temperature Chambers



TestEquity Chambers TE-E-STOP-140 Emergency Stop for 140 Series



TestEquity Chambers TE-0023 Reversible Door Opening Kit



### TestEquity Chambers TE-0033 Event Relays

**\$28,995.  
00**

each

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Order:

Manufacturer 84

Lead Time: Days

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**TestEquity  
Chambers**

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1007C...

Mfr Part #  
TE-1007C

**\$35,99**  
**5.00**  
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TestEquity  
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TestEquity  
Chambers TE-  
1007S...

Mfr Part #  
TE-1007S

**\$33,19**  
**5.00**  
each

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**TestEquity  
Chambers**

TestEquity  
Chambers TE-  
123H...

Mfr Part #  
TE-123H

**\$34,49  
5.00**  
each

In Stock: 2

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**TestEquity  
Chambers**

TestEquity  
Chambers TE-  
115A-F...

Mfr Part #  
TE-115A-F

**\$17,79  
5.00**  
each

In Stock: 5

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**TestEquity  
Chambers**

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Chambers TE-  
123C...

Mfr Part #  
TE-123C

**\$27,99**  
**5.00**  
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Putting Innovation to the Test

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