S-Series Bench Top Temperature Test Chambers

- Maximum temperature range, from -73°C to +177°C (-100°F to +350°F)
- Two standard models: 1.2 cubic feet and 5.5 cubic feet
- Access port in left side wall
- Refrigeration pressure gauges
- Sophisticated, easy-to-use Model 2800 Programmer/Controller
- Optional Therm-Alarm™ temperature alarm/limit
- Easy set-up
- HFC-Free refrigerants
- Highest performance levels
- Conveniently plugs into 110V outlet
- "Off-the-shelf" delivery with approved credit card purchase
- Short and long term rental plans
- Lease-to-own options

THERMOTRON®

Proven Performance for Standard Test Requirements

S-Series Chambers provide superior performance over a wide range of applications. Chamber design and construction meet critical standards. Engineering expertise assures optimum temperature change rates. Years of design experience provide long term performance and reliability. S-Series Chambers offer the flexibility, uniformity and control accuracy required for cost effective testing for all types of products.

A Compact Workhorse

The Thermotron S-1.2C occupies less bench space than any other comparable bench top test chamber on the market. Featuring a wide temperature range from -73°C to +177°C, the S-1.2C is capable of rapid temperature transitions exceeding 3°C per minute. The S-1.2 Bench Top Chamber conveniently plugs into a 110 Volt outlet, and is available through monthly rental and lease-to- own financing plans. This compact workhorse will quickly integrate into R&D or production environments.

S-Series Bench Top Temperature Test Chambers

Instrumentation Combines Versatility with Convenience

Thermotron's 2800 Programmer/Controller combines sophisticated performance with easy to read displays and simplified operation. It is standard instrumentation on every S-Series Chamber. The 2800 features 256 programmable intervals and 4 auxiliary outputs for expanded versatility.

Thermotron's exclusive Therm-Alarm™ is an advanced alarm and limit device that protects the chamber and products being tested from temperature extremes. This optional instrumentation provides audible, visual and relay contact indication if preset temperature levels are exceeded.

MODEL	S-1.2C	S-5.5C
Temperature Range	+177°C to -73°C (+350°F to -100°F)	+177°C to -68°C (+350°F to -90°F)
Cooling Change Rate +25°C to -40°C (+77°F to -40°F)	20 minutes	16 minutes
+25°C to -54°C (+77°F to -65°F)	30 minutes	24 minutes
Heating Change Rate +25°C to +110°C (+77°F to +230°F)	18 minutes	13 minutes
+25°C to +177°C (+77°F to +350°F)	45 minutes	30 minutes
Temperature Control Tolerance	+/-1.1°C (+/-2°F)	+/-1.1°C (+/-2°F)
Live Loads -18°C (0°F)	350 Watts	750 Watts
-40°C (-40°F)	250 Watts	500 Watts
-54°C (-65°F)	200 Watts	400 Watts
Window Inches (cm)	6x8 (15x20)	12x12 (30x30)
Volume Cubic Ft (Liters)	1.2 (34)	5.5 (155)
Weight Pounds (Kg)	320 (138)	700 (317)
Workspace Dimension	W x D X H	W x D X H
Inches	16x11x12	20x20x24
Cm	41x28x30	51x51x61
Move-in Dimension		
Inches	30x22x41	57x33x44
Cm	75x55x102	145x84x112
Electrical Service (Full Load Amps)		
115/1/60	16	28
230/1/60	8	25
230/3/60	--	20
220/1/50	8	33
400/3/50	--	17
Compressor Size	(2) 1/3 HP	(2) 1 HP

Accountability and Dedication

Thermotron prides itself on providing benchmark-quality application, sales and service support. Our direct approach to handling business before and after the sale strengthens our dedicated commitment to solve problems and stand behind our equipment.

Chamber Options

- Cart
- Glove ports (S5.5C only)
- Access ports with plugs (additional or substituted for standard)
- Electrical door interlock (S5.5C only)
- Additional shelving
- CO2 injection system
- LN2 purge
- GN2 purge
- Transformer packages for other than 230 power, 60Hz

Programmer/Controller Options

- Multi-option board including:
  - Digital printer output
  - Real time clock
  - Analog output for recording
- Relay output board with 4 relays
- IEEE-488 or RS-232 computer interface

Instrumentation Options

- Therm-Alarm™
- Chart recorders
- System Monitor
- Digital printer

Performance is based upon operation at 60 Hz and 23.9°C (75°F) ambient air, and may vary slightly at other ambient temperatures. Chambers are designed for use under normal laboratory conditions. For other applications, please consult Thermotron.

- Specifications subject to change.
- The addition of accessories may impact performance.
- Certain options may increase move-in dimensions. Contact Thermotron if dimensions are critical.
- Special order options are available, please check with Thermotron.