



**TotalTemp**  
TECHNOLOGIES, INC.

*The Next Generation in Thermal Test Performance*  
*A New Generation in Excellent Customer Service*

## Mechanically Refrigerated Thermal Platforms

**-70°C to +175°C**

### **ULTRA COLD**

**For customers who do not use  
expendable cryogenic coolants**

### **3 Standard Sizes Available:**

**SCC49      6.5" x 7.5"**

**SCC98      6.5" x 15"**

**SC144      12" x 12"**



**The TotalTemp SCC144-NR Mechanically Chilled Thermal Platform with remote benchtop Plate**

- One or two piece design easily fits on most bench tops
- Efficient two refrigeration system
- Capable of removing heat at -70°C
- Reliable silver soldered copper tube evaporator and full system design
- Uses award winning Synergy programmable controller
- Eliminates the need for cryogenic coolant where not available or when fastest ramp times are not required
- Proven, Industry standard ultra-low temp refrigeration system
- Remote Compressor option for under bench configuration
- Polycarbonate cover available for reducing condensation and frost
- Unit-Under-Test probe, remote controller and other options are available

[www.TotalTempTech.com](http://www.TotalTempTech.com)  
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ULTRA COLD  
Mechanically Refrigerated  
Thermal Platform

## SCC98-NR Technical Specifications

Bench Top or Remote Compressor Configuration

Power 230v.(60Hz), 20-30A. Max

Temp. Range  $-70^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$

Cooling Rate  $8-20^{\circ}$  per minute

Heating Ramp Rate  $12^{\circ}$  per minute

Active Load Capability 200 W @  $-15^{\circ}\text{C}$   
100 W @  $-35^{\circ}\text{C}$

Performance depends on capacity  
requirement specified at purchase.

Active Surface Area  $6.5'' \times 15''$  Al.  
Platform Chassis  $3.38'' \times 17.38'' \times 12.25''$

Benchttop refrigeration chassis  $13.2''\text{H} \times$   
 $21.3''\text{W} \times 21.4''\text{D}$ , overall  $37\text{W}'' \times 20.3''\text{D}$

Remote Refrigeration chassis (shown)  
 $20.7''\text{H} \times 20.5''\text{W} \times 27.5''\text{D}$  —  
 $26.3''$  tall including casters



SCC98-NR Thermal Platform with remote refrigeration  
and Synergy Nano Controller

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