



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"

SCC144 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



SCC98-NR Technical Specifications

Bench Top or Remote Compressor Configuration

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

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

Cooling Rate $4-10^{\circ}$ per minute*

Heating Ramp Rate 12° per minute

Active Load Capability 200 W @ -15°C
100 W @ -35°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