

## TSE-11, the best value in thermal shock!

*Meets Mil-Std 883C 1010.7 Method C WITHOUT liquid-nitrogen*

### Saves money

- Doesn't need liquid nitrogen for cooling
- So simple to use, you don't need a dedicated, trained operator
- Trend-graph display may eliminate the need for chart recorder

### Saves on installation

- Vertical design saves space: only 26" wide
- Doesn't require liquid nitrogen, cooling water, or compressed air supplies
- Includes casters for easy movement
- Very quiet operation, below 60 dba, makes it more suitable for quiet labs

### Easier to use

- Touch-screen controller is intuitive, referral to manuals is very limited
- Simple operation makes training quick and easy. Retraining is not necessary.
- Selectable "upstream" or "downstream" control sensor via programmer
- Diagnostic alarms make recovery from problems easy
- Can store different programs in memory for quick recall and start

### Saves time

- Can automatically go to the next step once temperature is achieved, shortening test time
- Can automatically adjust pre-heat and pre-cool levels, instead of manual trial-and-error
- Automatically runs defrost cycle only when needed
- Automatic feature to start test after hot and cold zones are to the proper temperatures
- Timer can be set to precondition system to operation temperatures ahead of time
- Less training time due to extremely understandable user interface
- Doesn't need tanks of nitrogen, which otherwise need to be repeatedly ordered and connected.

### Compare to the closest competitor

Feature	Theirs	Our TSE-11-A	Advantage
Volume (WxDxH)	10.5" x 6" x 6"	12.5" x 9" x 6"	Larger workspace
Transfer method	Horizontal	Vertical	Less footprint
Refrigeration	0.5 hp + 0.5 hp + LN <sub>2</sub>	2 hp + 2 hp	No LN <sub>2</sub> required
Exterior (WxDxH)	63" x 22" x 41"	26" x 42" x 64"	Half the width
Product Load	3 lbs. per 1010.7	8 lbs. per 1010.7	2.5x test capacity
Controller	Watlow 942	SCP-220TS	Easy to use
Cycles/loops	255 or infinite	9,999	Does 1,000 cycle tests
Overheat/overcool	Option	Standard	Better protection
Casters/cart	Option	Standard	You'll need their cart
Weight	700 lbs.	850 lbs.	Theirs isn't much smaller