

Temperature and Humidity Cabinets, Cement Shrinkage (+10°C to +60°C & 20% to 90% RH)

AUSTRALIAN MADE



FEATURES

The Thermoline Cement Shrinkage Test Chamber was designed for, and in conjunction with, the Cement and Concrete Testing Association of Australia to form part of the range of equipment necessary to perform a Australian test procedure, Australian Standard AS2350.13 - 1995. It is well recognized that the evaporation of water from test samples is influenced by the following factors.

- a) Surrounding Air Temperature.
- b) Surrounding Air Relative Humidity
- c) Air velocity over the surface of samples.
- d) The surface area to volume ratio of test samples.

The Thermoline Shrinkage Testing Chamber has been designed to ensure uniformity of temperature, humidity and air flow velocity over samples placed on up to eleven shelf levels.



- Perforated stainless steel shelves with wire grid support to easily separate cement test samples.

Model:	TCSTC-280-1-GD
Interior:	304 grade stainless steel.
Exterior:	Attractive grey PVC steel.
Castors:	Cabinet formed on a structural angle steel base, fitted with 4x swivel casters for ease of installation, maintenance and cleaning.
Access Door:	Triple glazed to allow view of samples.
Shelves:	11 Off. Perforated stainless steel at 75mm. centres. (Removable)
Support Racks:	11 Off. stainless steel grid support, 6mm, dia. Rods on 100mm, centres.
Heating:	By 'calrod' sheathed resistance elements.
Air Flow:	Horizontal forwards through workspace from a perforated distribution plenum at the rear of the chamber.
Humidification:	By evaporation from the surface of a temperature controlled dew point trough from the base of the chamber.
Refrigeration:	An air cooled, hermetically sealed condensing unit using R134a refrigerant.
Control:	Temperature and Humidity Controllers are both digital set point and indicating values.
Safety Thermostats:	Operator settable, fitted as over temperature and low temperature protection.

ORDER CODE	DIM. INT HxWxD cm	LITRES CAPACITY	DIM. EXT HxWxD cm	HUMIDITY	APPROX WEIGHT Kg
TCSTC-280-1-GD	90x58x55	280	172x69x72	50% RH	160
	SHELVES	S/S GRIDS	ELECTRICAL	TEMP	PACKED Dims HxWxD cm
	11	11	240V 50Hz 10A	23°C	193x88x97