

# ○ HAST (Highly Accelerated Stress Testing) chamber ETSP- HAST series

## Product Intro

ETSP-HAST series are "Highly Accelerated Temperature/ Humidity Stress Test". It was developed as a shorter alternative to Temperature Humidity Bias (THB) testing. If THB testing takes 1000 hours to complete, HAST results are available within 96~ 100 hours. HAST accelerates corrosion, particularly that of the die metal lines and thin film resistors. HAST requires preconditioning and is conducted with electrical bias at 130°C and 85%RH for 96~ 100 hours.

## General Features

- Unsaturated or saturated humidity control
- Programmable touch screen LCD controller with temperature and humidity stores up to 120 patterns Max. 1,200 segments
- 12 specimen power terminals to supply power to specimens
- Automatic fill of the humidity water
- Electric clamping door with sliding tray
- Door lock safety mechanism to prevent opening of the door while the door is pressurized
- Specimen power control terminal shuts down the product power in the event of an alarm single "master" control unit allowing centralized
- Friendly, flexible, up-to date control and management systems
- Allows easy servicing and upgrades

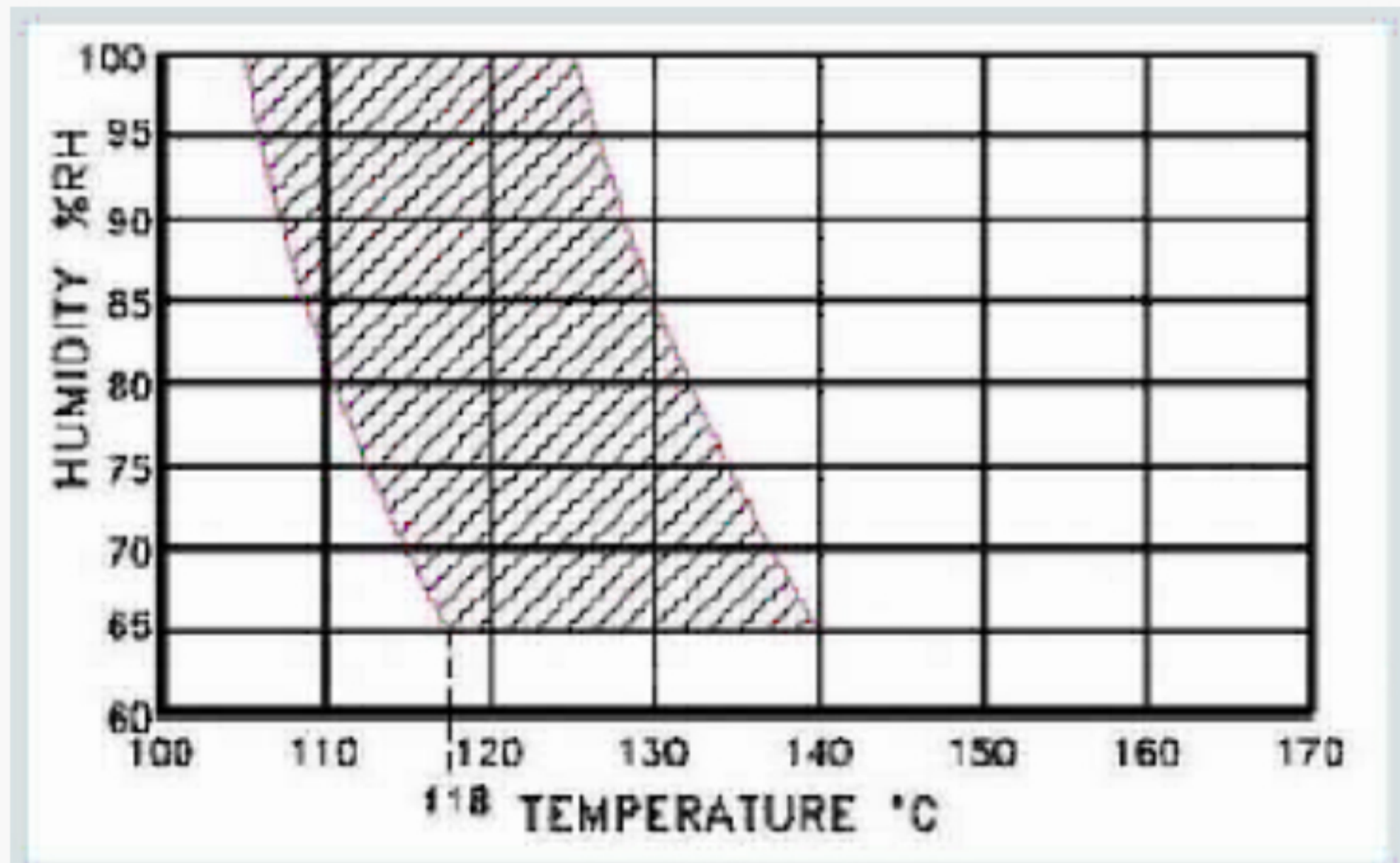
## Technical Features

Temperature range	100 ~ 155 °C
Temperature accuracy	Less than ± 0.1 °C
Temperature uniformity	Less than ± 1.0 °C
Heating-up rate	RT to 140 °C within 60 minute
Humidity range	65% RH ~ 100% RH
Humidity accuracy	Less than ± 1 °C
Humidity uniformity	± 3% RH
Pressure range	0.2 ~ 2.1kg/cm <sup>2</sup> G
Input power requirements	230V ± 10%/, 380V ± 10%, 50Hz/60Hz, 1Ph/3Ph (Changeable according to customer specification)

## Technical Specifications

Model	Internal dimensions	External dimensions	Useful capacity
ETSP-HAST 48	350(Φ)x500(D)mm	850x900x1260 (WxDxH) mm	48 liters
ETSP-HAST 70	450(Φ)x450(D)mm	950x850x1360 (WxDxH) mm	70 liters
ETSP-HAST 183	650(Φ)x600(D)mm	1150x1000x1560 (WxDxH) mm	183 liters

**Note** Different size of chambers are available on user's demand.



- Safety devices : Leakage breaker, Circuit breaker, Overheat protector for chamber, Over heat protector for steam tank, Water low level switch, Electrical over current relay, Emergency shut off switch, Pressure relief valve

## Options

- Chart recorder
- Additional hermetic terminals for power application or for thermocouple
- Additional shelf
- Customization available