

This series of furnaces are designed specifically for integration on Universal Testing Machines to simulate material behavior under static and dynamic loads at temperatures from ambient up to 1200°C for full specimen heating and 1400°C for local specimen heating.

Standard features

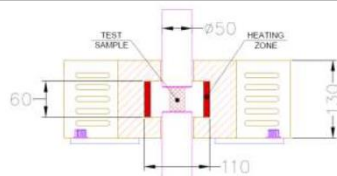
- Split tubular construction with stainless steel shell and heavy-duty hinge assembly
- Temperature rating up to 1200°C
- Temperature accuracy $\pm 2^\circ\text{C}$ or better
- Heating rates up to $20^\circ\text{C}/\text{min}$ @ No load
- Single zone and 3 zone options
- Single or three phase powered 1.8 to 25kW
- Elements: Kanthal A1 or Silicon Carbide
- Temperature sensors: J, K, E, T, N, B, R, S Type
- High efficiency insulation with embedded heating elements
- Dimensions maybe built-to-order based on individual requirement
- Option for Inert gas purge facility
- Ports for integration with load train
- Over temperature indication & alarm
- Single or multiple ramps with user specified rates
- Cut-outs to mount Extensometers /COD gages, bottom entry type LLD gage and DCPD connections simultaneously
- Side view port for viewing specimen
- Digital furnace control system with PID based controller Master/Slave, independent zone
- Specimen temperature display & control options
- Mounting bracket to fix on load frame column
- Furnace control through standalone software with touch screen interface
- Optionally integrated with BISS controller and software for Temperature vs Time data logging



Split type furnace for testing up to 1200°C

Compact furnace

- Two zone furnace
- Specimen temperature from 300°C to 1400°C
- Temperature stability and accuracy is $\pm 2^\circ\text{C}$
- Works on single or three phase power supply



Local heating up to 1400°C

Note: Customization available based on requirement, Specification might change without prior notification