

HIGH TEMPERATURE FURNACE



ABOUT THE SYSTEM

The **High Temperature Furnace** is designed to provide user a low-cost solution for general laboratory use. The furnace uses a very compact size heater for an appropriate heating and colling. The heating rate is very import here user can go down to 0.1.K per minute. The measurement adaptors can be connected in the front door which makes the furnace versatile. User can hold the furnace at a desired temperature. The complete furnace comprises of High Temperature chamber, temperature controller, interconnecting cables. Following are the main highlights of the furnace.

- Temperature Range: **RT – 1473K.**
- Hold Time at any temperature: **24 Hrs**
- Economics: **Low Initial and Running Cost**

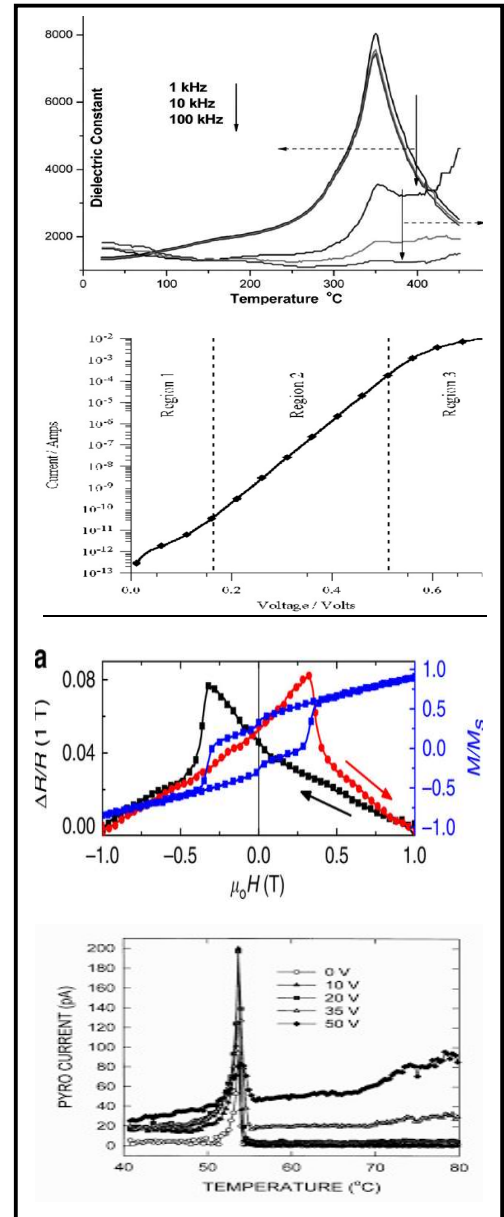
MODEL: RT1200 (RT – 1473K)

Utility of High Temperature Furnace

- Basic Laboratory heating

Optional Utility of High Temperature Furnace

- DC Resistivity Measurement
- Dielectric Analysis
- Pyro Electric
- IV Measurements



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TECHNICAL SPECIFICATION

High Temperature Furnace	RT1200
Temperature range	RT – 1473°K
Heating Type	DC
Heater Power	5 KW
Environment	Air
Construction	M.S Powder Coated
Sensor	Thermocouple K type
Hold Time at any temperature	1min – 24 Hrs
Temperature Stage	Specification
Control	PID Controlled
Power Supply	Thyristor 40 Amp
Accuracy	0.1°K
Resolution	0.1°K
Ramp Rate	1°K – 20°K
Communication	RS232/ USB
Heating/cooling control	Rate Dependent
Input	110/220V 50Hz/60Hz
Working Temperature	RT – 1473K
Insulation	Rock Wool
Size	6X6X9 Inch