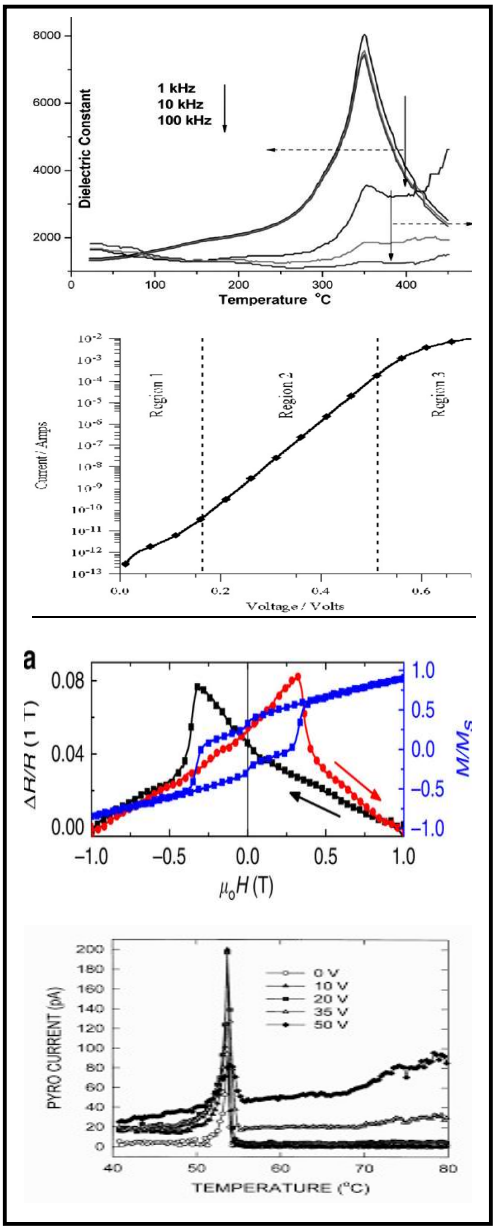
HIGH TEMPERATURE STAGE – II



ABOUT THE SYSTEM

The High Temperature Stage is designed to provide user a low-cost solution for **two probe measurements**. The system uses a very compact size furnace 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 techniques are well defined which makes the system versatile. User can hold the specimen at a desired temperature between **RT – 1073K.** The complete system comprises of High Temperature sample holder, temperature controller stage, interconnecting cables. Following are the main highlights of the system.

- Temperature Range: **RT – 1073K.**
- Specimen: **Bulk**
- Hold Time at any temperature: **24 Hrs**
- Economics: **Low Initial and Running Cost**

MODEL: RT800 (RT – 1073K)

Utility of High Temperature Stage:

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

HIGH TEMPERATURE STAGE – II

TECHNICAL SPECIFICATION

High Temperature Stage II	RT800
Temperature range	RT – 1073°K
Connections	2 Probe
Sample Details	Bulk
Sample Shape	Rectangular / Circular
Sample Dimension	8X8 mm/ 10 mm Dia
Thickness (bulk)	0.1mm to 1mm
Sample Type	Pellet
Electrode Material	Brass/Gold
Heating	Surrounded Type
Heating Type	DC
Heater Power	1KW
Sample Environment	Air
Construction	Brass
Sensor	Thermocouple K type
Hold Time at any temperature	1min – 24 Hrs
Temperature Stage	**Specification**
Control	PID Controlled
Power Supply	Thyristor
Accuracy	0.1°K
Resolution	0.1°K
Ramp Rate	1°K – 10°K
Communication	RS232/ USB
Heating/cooling control	Rate Dependent
Input	110/220V 50Hz/60Hz
Furnace	**Specifications**
Power	2KW
Sensor	Thermocouple K type
Fuse	Silver – 1272.K
Working Temperature	RT – 1073K
Control	Thyristor Power Supply
Interface	RS232
Insulation	Rock Wool
Heating Rate	0 – 20.C per min
Size	6X6X9 Inch

(For optional items separate brochure is available)

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