

**Product Name :**  
Temperature Measurement Trainer

**Product Code :**  
CHINAELABC2550013



#### Description :

Temperature Measurement Trainer

#### Technical Specification :

##### FEATURES:

The System comprises of a small water Kettle as a temperature source up to 1000C with Thermocouple, RTD and Thermistor to sense the temperature.

Digital Indicator of 3 1/2 digit is supplied along with the sensor to indicate the temperature in degree centigrade. The front panel of the instrument is designed in such a way that the schematic circuit diagram of the temperature indicator is shown.

All test points are brought outside to enable the student to understand the working of the instrument properly.

The system is self-explanatory and all necessary accessories will be supplied along with the kit.

##### SPECIFICATION:

Combination of RTD, Thermocouple and Thermistor.

Display: 3 1/2 digit digital LED display of 200mVFSD.

Probes: Sensors are housed inside 6mm dia SS tube of 6 lengths.

Source Temperature: A glass thermometer to read up to 1100 C.

Sensors: Thermocouple – Fe-K (J type) R. T. D. – PT-100 Thermistor – 5Kohms (-ve coefficient)

Temperature: 1000 C.

Temperature Source: A small portable electric kettle in which water can be heated up to boiling temperature

Power required for operation

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase



**Engineering Lab China**