

Temperature Measurement Bench (EDC-HT-005)

EXPERIMENTAL DATA:

- Determination with Electric methods: thermocouple, resistance temperature detector PT100, thermistor (NTC).
- Adaptation with thermometers, bimetallic thermometers and temperature measuring devices.
- Adjusting electric temperature sensors.
- Defining air humidity with a psychrometer.



DESCRIPTION:

Apparatus contains conventional temperature measuring methods as well advance measuring methods to measure temperature. In metrology temperature measuring and recording is the basic task. Now a days electric measuring methods for temperature are used, the apparatus contains most of these methods for better understanding of the students.

SPECIFICATIONS:

- Temperature measurement with different measuring devices.
- Different temperature sensors.
- Thermometers.
- Precision resistors.
- Output sockets:
 - 230V AC 50Hz.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 800 X 450 X 600 approx.
- Weight: 30 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-HT-005.
- 1 x Instructional Manual.

TECHNICAL DATA:

- Digital Temperature meter for K-type thermocouple, PT100 and Thermistor.
- Temperature Meters Range:
 - Max. 500⁰ C.
- Psychrometer.
- Liquid Thermometer:
 - Temperature: 150⁰ C.
- Bimetallic Gas Pressure Thermometer.
- Precision Resistors:
 - 1 ohm
 - 10 ohm.
 - 100 ohm.
 - 1000 ohm.

