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**Product Name :**  
Temperature Measuring Bench

**Product Code :**  
LBNY-0005-11200069



#### **Description :**

The unit consists of three type of sensors with four indicators, and five different other temperature measuring devices. Temperature Measuring Bench top unit is used for studying temperature measurement of several commonly used devices as well as understanding related principles. Heat sources and means for calibration and accuracy comparison of the different devices is also provided.

#### **Experiments:**

- Understanding lead and conduction errors.
- Dynamic response.
- Understanding the physical principles of each device.
- Understanding calibration techniques.
- Air humidity.
- Errors associated with incorrect applications.

#### **Technical Specification :**

##### **Technical Data:**

- Temperature sensors and indicators:
  - Thermister.
  - Platinum resistance thermometer.
  - Thermocouple type K., millivolt meter.
  - Thermocouple type K, degree centigrade.
- General industrial temperature measuring devices:
  - Vapor pressure thermometer.

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Mercury in glass thermometer.  
Bimetallic thermometer.  
Wet and dry bulb thermometers.  
Self adhesive surface temperature indicator, various strips.  
Heat sources: Hot plate with thermostat and stainless steel pot.  
Power supply: 220 V, 1 Ph, 50 Hz.



**Laboratory Instrument India**