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**Product Name :**  
Thermal Conductivity Of Non Metallic Materials

**Product Code :**  
LBNY-0005-11200071



#### **Description :**

Thermal Conductivity Of Non Metallic Materials bench top unit is for testing of thermal conductivity of non-metallic materials using guarded hot plates. The assembly is encased in a test cabinet with insulation. The cold plates are clamped together to provided a uniform pressure. A service module provides power supply and heater control unit, power measurement unit and temperature indicators. The equipment consists of a central heater with hot plates, a guard ring with heater and hot plates, and two water cooled cold plates. Two specimens are inserted between the hot plates and cold plates. The unit requires outside water supply.

#### **Experiments:**

Determination of thermal conductivity.

#### **Technical Specification :**

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

Hot plate : 1 ea.  
Guard ring heater : 500 W with control knob.  
Hot plate heater : 500 W with control knob.  
Cold plates : 2 ea.  
Temperature measurement.  
Input power measurement : Voltage and current digital display.  
Temperatures : Hot plates, cold plates and cooling water.  
Sample specimens : 2 ea for 3 different materials.  
Power supply : 220V 1Ph 50Hz.



**Laboratory Instrument India**