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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 insterted 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