

**Product Name :**  
THERMAL CONDUCTIVITY OF LIQUIDS

**Product Code :**  
TRANSFORMER0006



## Description :

THERMAL CONDUCTIVITY OF LIQUIDS

## Technical Specification :

The present apparatus is designed to determine thermal conductivities of different liquids. The apparatus consists of a heater. The heater heats a thin layer of liquid. A cooling plate removes heat through liquid layer, ensuring unidirectional heat flow. Temperature is measured across the liquid layer and complete assembly is properly insulated. A proper arrangement for changing the liquids is provided. The whole assembly is kept in chamber.

### Experiments

- Determination of Thermal conductivity of different liquids and to make a comparative study
- Study of variation of thermal conductivity of different liquids with temperature

### Utilities Required

- Water supply 5 litres (approx.)
- Drain.
- Electricity Supply 1 Phase, 220 V AC, 2 Amp.
- Table for set-up support



**Elab Engineering Equipments Manufacturers**