

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 (Phase, 230 V AC, 2 Amp.
- Table for set-up support

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