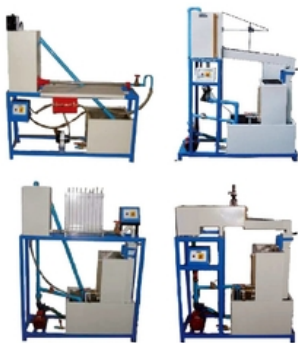


## Thermal Conductivity Of Insulating Powder



**Product Categories:** [Engineering Equipment](#), [Heat Transfer Lab](#)

**Product Page:**

<https://www.labappara.com/product/thermal-conductivity-insulating-powder/>

### Product Description

#### Thermal Conductivity Of Insulating Powder

This apparatus is designed to determine the thermal conductivity of insulating powder. The apparatus consists of two thin walled concentric copper spheres. Inner sphere houses Ni-chrome Wire heater

Insulating powder is filled between the two spheres

Heat flows radially outwards. Temperature sensors at proper positions are fitted to measure surface temperatures of spheres

Heat input to the heater is given through a variac and measured by Digital Voltmeter & Digital Ammeter. By varying the heat input rates, data can be obtained

#### **Technical Specifications:**

Inner Sphere: Dia: 100 mm

Outer Sphere: Dia: 200 mm

Heater: Nichrome Wire

Digital Voltmeter: 0-300 Volt

Digital Ammeter: 0-2 Amp

Variac: 0-230 V, 2 Amp

## Digital Temp. Indicator: 0-1990 C, with multi-channel switch