



THE LAB EQUIPMENT

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Product Name :

Computerized Thermal Conductivity of Powder

Product Code :

SLE/MCE/72





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Description :

Description:

- Heat transfer insulating powder trainer unit consists of two thin wall concentric copper spheres.
- The inner sphere houses the heating coil.
- Heating coil is made up of nichrome wire wound on mica sheet.
- The insulating powder packed between two shells.
- Four thermocouple are embedded on inner sphere and six thermocouples are embedded on outer sphere.
- The entire ten-temperature indicator, these reading enable of insulating powder.
- Power supply to the heater is given through a dimmer stat & is measured by voltmeter & an ammeter.
- Temperature can be measured with the help of thermocouples.
- Insulating powder Asbestos magnesia commercially available powder and Packed between the two spheres.

Specification:

- **Radius of the inner copper sphere:** 50mm
- **Radius of the outer copper sphere:** 100 mm
- Heater Mica Type
- **Heating power:** 350W
- **Temperature limitation:** 95°C

Measuring ranges:

- **Temperature:** 2x 0...325°C
- **Heating power:** 0...450W

Power Supply:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase

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