

**Description:**

The Thermal Conductivity Measurement Apparatus for Insulating Powders is engineered for accurate determination of the thermal conductivity of low-conductivity granular or powdered materials. This property is vital for evaluating the effectiveness of insulating powders used in a variety of thermal insulation applications.

Technical Details

- Inner Sphere : Material Copper, Dia. - 100 mm.
- Outer Sphere : Material Copper, Dia. - 200 mm.
- Heater : Nichrome Wire.
- Control panel comprising of : Digital Temperature Controller : PID Controller, 0-199.9° C.
- Energy meter : Digital Type for power measurement.
- Digital Temp. Indicator : 0-199.9°C, with multi-channel switch.
- Temperature Sensors : RTD PT-100 type - 10 Nos.

Experimentation/Learning Objectives

- Determination of thermal conductivity of insulating powder.
- Comparison of thermal Conductivity of insulating powder at different temperatures.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com