Phone: +91-0171-2643080, 2601773
Email : sales@naugraexport.com

Product Name :	**Product Code :**
Thermal Conductivity of Insulating Powder	NEGEMG163

Description :

Thermal Conductivity of Insulating Powder

Thermal Conductivity of Insulating Powder apparatus consists of two concentric copper spheres. The insulating powder, (Asbestos) is filled in the space between the two spheres. An electric heater is placed at the center of the inner sphere. Four thermocouples are fixed to the outer surface of inner sphere and eight thermocouples are fixed to the inner surface of outer sphere. Thermocouples are also used to measure the temperature of inner and outer surface.The control panel consists of a dimmers stat to control the voltage supplied to the heating element. A Voltmeter, an ammeter and a digital temperature indicator are also provided.

Specifications:

- Copper
  Sphere: Concentric Copper Spheres, Inner Sphere Heated by a concealed Electric Heater, Insulating Powder filled is space between two spheres

- Insulating Powder: Asbestos Powder
- Electric Heater: Coil Type Heater, Capacity 300 W, Supply 230 V AC
- Dimmer: Range 0-250 V AC, 2 A
- Digital Voltmeter: Range 0-500 V AC
- Digital Ammeter: Range 0-2 A AC
- Temperature Sensors: Type ‘K’ Thermocouples – 12 Nos
- Temperature Indicator: 12 Channel Indicator with Selector Switch, Range 0-400 °C
- Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated

Experimental Capabilities:

- Determination of thermal conductivity of Insulating Powder
- Comparison of calculated value of thermal conductivity with actual value
- To compare thermal conductivity of Insulating powder (K) with respect to temperature

Naugra Export

Website: www.naugraexport.com, **Email:** sales@naugraexport.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, 2601773