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Product Name :
Radial Heat Conduction

Product Code :
LBNY-0005-10200041



Description :

A small-scale accessory to introduce students to the principles of radial heat conduction, and to allow the conductivity of a solid brass disk to be measured
Thermally insulated to minimize errors due to heat loss.
Includes an electronic proportioning solenoid valve to control the cooling water flow rate, a pressure regulator and a water flowmeter.
Comprises a brass disk with a heater at the centre and a cooling water tube attached to the periphery.
Includes a water pressure regulator and a manually operated valve to control the flow rate.
Water flow rate variable up to 1.5 litres/ minute.
Conduction disk is 110mm diameter and 3.2mm thick
Six thermocouples measure the temperature gradient between the heated centre and the cooled periphery of the disk.
Heater power variable up to 100 Watts.

Technical Specification :

Radial Heat Conduction



Laboratory Instrument India

