THERMAL CONDUCTIVITY APPARATUS

PRODUCT SHEET

Reference : TD-8561

One of the most important features of buildings in the modern world is their ability to provide good thermal insulation. This device provides students with a way to observe and quantify heat flow. Students use 5 common materials glass, wood, polycarbonate, Isorel and plaster
Operation:
An ice block is placed against one side of the test material. The other side is tight against a steam chamber, establishing a constant temperature difference of 100 ° C. The speed at which the ice is converted to water is the rate at which the heat of the steam passes through the test material towards the ice.

Composition:

- Stand with insulating pads
- Steam chamber
- 2 ice moulds
- Materials: 12.7 cm square of glass, wood, polycarbonate, isorel and plaster
- Plastic tubes for connecting the steam generator

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