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Product Name :
Heat Conduction Trainer

Product Code :
LBNY-0005-12500047



Description :

The electrical heat source is controlled electronically. The heat sink is water-cooled. The temperatures of the heat source, cooling water and specimen are indicated. An interchangeable cylindrical specimen is fitted between a heat source and a heat sink. The specimen is prefitted with twelve thermocouples distributed along its length. This unit is used to investigate steady-state and non-steady-state heat conduction processes. There are also displays for heating capacity and cooling water flow rate. In addition, it is possible to transfer the measured data to a computer via USB and display the data on the computer. The software is included. The thermal conductivity can be calculated using the measured data.

Technical Specification :

Electric heater with PID controller
Digital displays: heating capacity, temperatures
Trainer to determinate the steady state and non-steady state thermal conductivities
Temperature and flow rate measurement for cooling water
Water-filled heat source and heat sink
Raised tank with overflow to generate a constant initial pressure.



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