



Email : sales@laboratoryinstrumentindia.com

Product Name :
Advanced Conduction Unit

Product Code :
LBNY-0005-12500048



Description :

The thermal conductivity can be calculated from the temperature difference between the hot and cold end and the heating capacity. The housing contains the vacuum pump and the digital displays. The measured values can be read on digital displays. In this experimental unit, a metal test bar is clamped between a heater and a Peltier element as the cooler. In this way errors due to convection can be ignored and all the heat must flow through the test bar. The complete arrangement is under an evacuated bell jar. At the same time, the measured values can also be transmitted directly to a PC via USB. The data acquisition software is included.

Technical Specification :

Measurement of current and voltage of the peltier element
Digital displays for temperatures, current, voltage
Study of linear thermal conduction in metal test bars under vacuum
2 Thermocouples to measure the temperature at both ends of the test bar
Bell jar, diaphragm pump and manometer to generate a vacuum
Test bars made of stainless steel, brass, aluminium, copper
Test bar clamped between a heater and a Peltier element as the cooler.



Laboratory Instrument India

