



Nvis 6044 Lee's Disc Setup is designed to determine the Coefficient of Thermal Conductivity of bad conductors like glass, cardboard, wood, etc. The setup consists of electric oven with container, Lee's Disc, heat chamber, different types of samples and an attractive microcontroller based measurement unit. This unit consist of a digital timer and temperature sensors with resolution of 0.5°C . The Coefficient of Thermal Conductivity, sometimes called the K-factor, is expressed as the quantity of heat that passes through a unit cube of the substance in unit time when the difference in temperature of two faces is 1°C .

Features

- Microcontroller based Measurement unit
- Digital Temperature Sensors
- Electric Oven for heating
- Provided with variety of samples
- Complete setup and easy operation
- Online product tutorial

Scope of Learning

- To determine the Coefficient of Thermal Conductivity of Bad Conductors by Lee's Disc method

Technical Specifications

Adaptor Output	: 5V, 500mA
Temperature Sensors	
Range	: Up to 150°C Max.
Resolution	: 0.5°C
Disc Sample type	: Cardboard, Glass, Plywood
Disc Diameter	: 111mm
Disc Thickness	: 2.8mm

