

Product Name :
Resistivity & Band gap Measurement for Physics Electric Labs

Product Code :
BSC-TR-35



Description :

Resistivity & Band gap Measurement - A complete setup for measurement of Resistivity & Band gap. Four individually spring loaded probe arrangement is provided. Resistivity & Band gap Measurement Resistivity and Band Gap

Measurement of semiconductor is a versatile and useful system for physics and basic electronics laboratories. In Nvis 6105, Band Gap can be measured by using Four Probe Method. This is one of the widely used methods for measuring the Resistivity and Band Gap of semiconductors. A collinear four-probe arrangement has been used. In this system, we provide the pressure contacts with sample to take quick measurement on different positions. The setup is equipped with microcontroller based display for simultaneous measurement of voltage, current and temperature. Computer interfacing helps in automatic calculations and analysis.

A complete setup for measuring the Resistivity and Band Gap

Four individually spring loaded probe arrangement is provided

Collinear and equally spaced probes

LCD Display

The probes are mounted in a Teflon bush, which ensure a good electrical insulation between the probes

PC Interfacing using USB/RS232 ports and supporting software is provided

Sample-Germanium crystal

Learning material CD

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