

Diode Characteristics Kit



MODEL - AKPHY031

MAKE - AK LABS

The Diode Characteristics Kit is an educational electronics kit designed to study the V-I characteristics of a diode. It helps students understand forward and reverse bias behavior, threshold voltage, and semiconductor properties through practical circuit experiments.

KIT SPECIFICATION

Kit Name	Diode Characteristics Kit
Subject	Physics / Electronics
Learning Areas	Semiconductor Diode, V-I Characteristics, Forward Bias, Reverse Bias, Threshold Voltage
Components	Diode, DC Power Supply, Ammeter, Voltmeter, Resistors, Rheostat, Breadboard or Circuit Board, Connecting Wires
Material	Laboratory Grade Electronic Components and Precision Measuring Instruments
Application	Physics Practicals, Electronics Experiments and STEM Education
Suitable For	Schools, Colleges, Physics Laboratories, Universities and Educational Institutions

KIT DETAILS

The **Diode Characteristics Kit** provides all essential laboratory equipment required to study the voltage-current characteristics of a semiconductor diode. Students perform

experiments under forward and reverse bias conditions, plot V-I graphs, and understand diode behavior, threshold voltage, and rectification principles. The kit enhances understanding of electronics and semiconductor physics. Ideal for schools, colleges, physics laboratories, and STEM education environments.