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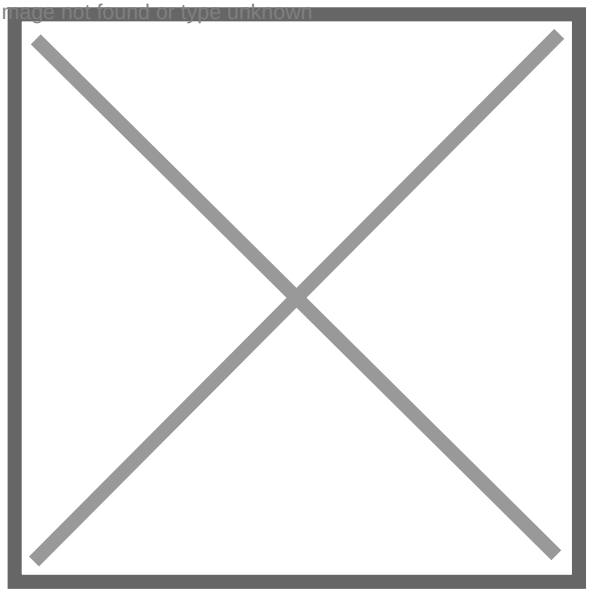
Product Name :

PN Junction Diode

Product Code :

SCL-433/113

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Description :

PN Junction Diode (Product Code: SCL-433/113) is a semiconductor diode experiment kit used to study a PN junction diode in forward and reverse bias in school and institute physics labs. Two round meters on the board measure voltage and current, knobs set the applied voltage, and an inbuilt IC-regulated power supply provides the DC. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Apparatus	PN junction diode (semiconductor diode) experiment kit
Study	Diode in forward and reverse condition
Meters	Two round meters on board: voltmeter and ammeter
Controls	Knobs for adjustment
Power supply	Inbuilt IC-regulated DC supply
Format	Portable; for physics and electronics labs in schools or institutes
Product code	SCL-433/113
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the PN Junction Diode Apparatus Used For?

In forward bias, students raise the voltage with the knobs and see that almost no current flows until the knee voltage, after which the current climbs steeply. In reverse bias only a very small current flows. Plotting both sets of readings gives the diode's V-I characteristic curve, from which students find the knee voltage and the forward resistance.

With the supply and meters built in, the kit sets up quickly and is portable enough to move between rooms. Begin each run at the lowest voltage setting, change the voltage slowly near the knee, and switch between forward and reverse connections only with the voltage turned down. It is a standard semiconductor diode kit for physics practicals, and pairs well with a Zener diode kit.

OEM Manufacturer

Jain Scientific Equipments Private Limited trades as ScienceLab and is the OEM (original equipment manufacturer) of this PN Junction Diode apparatus. It is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, then supplied factory-direct to schools, institutes, dealers and importers. Institutional and tender buyers who need vendor registration details can use GSTIN 06AAECJ8618A1ZT and LEI 3358004HRD1JIVXKYX49. See the ScienceLab company profile.

Rela

Items

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