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Product Name :

Fundamentals of Electronics

Product Code :

SLE/PHY/88



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Description :

Fundamentals of Electronics (Product Code: SLE/PHY/88) is an electronics starter kit used to introduce students to basic components and circuits in school science and physics lessons. Built around a solderless breadboard, it brings together transistors, LEDs, capacitors, a photo resistor, a buzzer, a 9 volt battery and a Teacher's Guide in one set. The kit is made up by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Circuit base	Solderless electronics breadboard
Semiconductors	NPN and PNP transistors; diode
Indicators	Red and green light-emitting diodes (LEDs); buzzer
Other components	Capacitors, resistors, photo resistor
Control and wiring	Switches and connection wires
Power	9 volt battery
Documentation	Teacher's Guide
Product code	SLE/PHY/88
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Fundamentals of Electronics Kit Used For?

The kit takes students from reading a circuit diagram to building a working circuit with no soldering iron: components push into the breadboard and can be moved as often as the lesson needs. Typical activities include lighting an LED through a resistor, sounding the buzzer from a switch, using a transistor as a simple electronic switch and making a light-sensitive circuit with the photo resistor. It is a hands-on route into semiconductor topics that also suits DIY science kit sessions and STEM clubs.

The Teacher's Guide helps staff plan each practical. Before a session, check the 9 volt battery, keep the small parts sorted so none go missing, and remind students that transistors, diodes and LEDs only work when inserted the right way round.

What to Specify When Ordering

- Number of kits, for example one per student pair or group.
- Any spares for heavy use, such as extra LEDs or 9 volt batteries.
- Delivery location, so packing and freight can be quoted together.

OEM Manufacturer

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