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Product Name :

Resistance Selector

Product Code :

SLE/EAM/37



Description :

The **Resistance Selector** (Product Code: SLE/EAM/37) is a compact substitution unit: one rotary switch chooses between twelve fixed resistors, from 100? to 100k?, brought out to 4mm sockets. It saves students from sorting through colour-coded resistors when they want to try severalvalues in the same circuit, and it lets a teacher change a load or bias resistor mid-demonstrationwith a single turn. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** inAmbala, it sits comfortably among the electronic lab instruments that India's schools, polytechnicsand colleges use for circuit practicals.

Specifications

Parameter	Detail
Type	Mini resistance substitution unit
Selection	Single rotary switch, twelve positions
Values	100?, 330?, 470?, 680?, 1k?, 3.3k?, 4.7k?, 6.8k?, 10k?, 33k?, 47k?, 100k?
Tolerance	5% (all values)
Powerrating	0.5W (all values)
Connections	4mm sockets

Typical Use

The values follow the familiar preferred-value pattern used in electronics, so students meet the same numbers they will later find on real circuit boards. A typical session uses the selector as a trial resistor: set a value, observe an LED's brightness or a transistor's collector current, step to the next position and compare. It is equally handy for plotting a load line, choosing the lower arm of a potential divider for a sensor, or setting the gain of an amplifier circuit kit without re-soldering anything.

Because every resistor is rated at 0.5W, the lowest settings deserve care when a higher supply voltage is connected — start on a high value and switch downwards while watching the current. For work that needs values between the twelve fixed steps, pair the selector with a decade box.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, produces this selector at Ambala in Haryana. The company is a registered MSME enterprise (Udyam UDYAM-HR-01-0003714), and shipments to overseas buyers are handled under its DGFT Importer-Exporter Code AAECJ8618A. Visit our company profile for more about the organisation.

Related Electricity and Magnetism Equipment

Items commonly wired up alongside the Resistance Selector: