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Product Name :

Simple Circuit Module Lamp Holder

Product Code :

SLE/EM/29



Science Lab

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Description :

Simple Circuit Module Lamp Holder (Product Code: SLE/EM/29) is the lamp unit of the Simple Circuit Modules series: a 4.5V / 0.3A bulb in a holder that lights to show when current is flowing and glows brighter or dimmer as the circuit changes. It is used in school physics lab equipment sets in India for series and parallel circuits, and as the classic non-ohmic example in Ohm's law practicals. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Series	Simple Circuit Modules
Bulb rating	4.5V / 0.3A
Supplied as	Bulb in a holder
Companion module in the same series	LED boards: large light-emitting diodes with a 220 ohm series resistor, for p.d.s of up to 6V

Typical Use

With two lamp modules, pupils see series and parallel behaviour directly: in series both lamps glow dimmer than one alone, while in parallel each keeps its full brightness and removing one leaves the other lit. In older classes, measuring current at several voltages up to the 4.5V rating and plotting current against voltage shows the curved graph typical of a filament lamp, a useful contrast with a fixed resistor in any Ohm's law experiment kit.

Do not exceed the bulb's 4.5V rating, or the filament may fail; set the supply before connecting and let a hot bulb cool before handling it. Where a lesson only needs an on/off indicator, the companion LED boards in the same series draw far less current than the 0.3A filament lamp.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the Ambala, Haryana maker of this lamp module and the rest of the Simple Circuit Modules. Our company profile explains more about the business.

Related Laboratory Equipment

Useful partners for lamp-circuit lessons:

- Simple Circuit Module LED Board Green — a low-current light indicator for comparison with the filament lamp
- Simple Circuit Module Push Switch — switches the lamp circuit
- Simple Circuit Module Buzzer — an audible indicator in the same series
- Digital Multimeter — for current and voltage readings on the lamp
- Lamp Holder (Economy Switch) — a separate plastic-base lamp holder with Fahnestock clips

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