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Product Name :

Digital Multimeter

Product Code :

SLE/EM/20



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Description :

Digital Multimeter (Product Code: SLE/EM/20) is a multi-function digital meter that measures DC voltage, DC current, AC voltage and resistance and also offers a diode test, so a singleinstrument can stand in for a separate voltmeter, ammeter and ohmmeter at each student bench.Schools, colleges, polytechnics and ITIs use it throughout practical electricity and electronicswork. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Functions	DC voltage, DC current, AC voltage, resistance, diode test
DC voltage ranges	200mV, 2000mV, 20V, 200V, 1000V
DC current ranges	200µA, 2000µA, 200mA, 10A
AC voltage ranges	200V, 750V
Resistance ranges	200 ?, 2k?, 20k?, 200k?, 2000k?
Diode test	Yes
Display	Digital; display size 12.83mm

Typical Use

In AC DC circuits experiments the meter changes role at the turn of the selector: read the potential difference across a resistor on a DC voltage range, switch to DC current to complete an Ohm’s law table, then check the resistor’s value directly on the resistance ranges. The 200mV and 200µA ranges suit small signals such as those from a photocell or thermocouple, while the 10A range covers heavier loads like small motors and lamp banks. The diode test identifies the anode and cathode of diodes and LEDs before they go into a rectifier or indicator circuit.

Good habits make the meter last: start on the highest range and step down until the reading is well resolved, check that the leads are in the sockets meant for the function you have selected, and never measure resistance in a live circuit. The 200V and 750V AC ranges are for trained users; students should work on low-voltage supplies under supervision.

Manufacturer

This multimeter belongs to the range of Jain Scientific Equipments Private Limited, which trades as ScienceLab and operates from Ambala, Haryana. The company is incorporated under CIN U29309HR2020PTC087597 and manufactures at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). Our company profile gives the wider background.

Related Laboratory Equipment

Equip

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