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Product Name :

Standard Digital Multimeter

Product Code :

SLE/PHY/258



Description :

Standard Digital Multimeter (Product Code: SLE/PHY/258) is a portable digital multimeter used to measure DC and AC voltage, DC current and resistance in school and college electricity practicals. Students find it easy to handle because it weighs 156 g, and it adds a backlight, data hold and a square wave output to its 1999 maximum display. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alongside its other physics lab instruments.

Specifications

Parameter	Detail
Type	Standard portable digital multimeter
DC voltage	200mV / 2000mV, 20V / 200V / 500V; accuracy ±(0.5%+2)
AC voltage	200V / 500V; accuracy ±(1.2%+10)
DC current	2000µA / 20mA, 200mA / 10A; accuracy ±(1%+2)
Resistance	200? / 2k? / 20k?, 200k? / 20M?; accuracy ±(0.8%+2)
Input resistance	DCV ?10M?, ACV ?5M?
Maximum display	1999
Functions	Diode test, on/off buzzer, square wave output, data hold
Display and power features	Backlight, low battery warning
Power supply	9V (6F22) battery
Weight	156 g
Dimensions (W × H × D)	130 × 73.5 × 35 mm
Product code	SLE/PHY/258
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Standard Digital Multimeter Used For?

The Standard Digital Multimeter covers the everyday measurements of a school electricity syllabus: reading the voltage across and the current through a resistor for Ohm’s law, checking cells in series and parallel, and measuring the resistance of wires, resistors or a light dependent resistor in light and dark. It pairs naturally with an Ohm’s law experiment kit, giving each student group its own meter.

The square wave output provides a simple test signal for basic circuit checks, the backlight helps in a dim room, and data hold freezes a reading while students note it down. Start on the highest suitable range, keep the 10A range for larger currents only, and leave the AC voltage ranges to teacher-led work where higher voltages are involved.

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