Email : sales@scilabexport.com
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Product Name :

Digital Voltmeter/Ammeter With Shunts

Product Code :

SLE/PHY/39



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Description :

Digital Voltmeter/Ammeter With Shunts (Product Code: SLE/PHY/39) is a battery-powered digital meter used to measure DC current or DC voltage in physics laboratory circuits, including experiments with Teltron Helmholtz coils. Two included attachments, 0-10 DC amps and 0-20 DC volts, let one unit act as an ammeter or a voltmeter, with 0.01 resolution and ± 2% accuracy. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for colleges and schools in India and abroad.

Specifications

Parameter	Detail
Type	Digital meter with shunts
Attachments included	Two: 0-10 A DC and 0-20 V DC
Modes	Ammeter or voltmeter, depending on the attachment fitted
Input impedance (basic unit)	100 k?
Resolution	0.01
Accuracy	± 2%
Power	PP3 battery, supplied; useful life of over 1000 hours
Suited to	Use with Teltron Helmholtz coils
Product code	SLE/PHY/39
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Digital Voltmeter/Ammeter Used For?

The meter gives a clear digital reading of current or voltage in DC circuits without needing two separate instruments. In Helmholtz coil experiments it is typically used to monitor the coil current that sets the magnetic field, while in general electricity practicals it can be switched between roles by changing the attachment, reading currents up to 10 A or voltages up to 20 V.

Fit the current attachment and connect the meter in series when measuring amps; fit the voltage attachment and connect it across the component when measuring volts. Stay within the attachment's range, switch the meter off when not in use to make the most of the PP3 battery, and replace the battery when it runs low. It is a practical option among digital measuring instruments in India for teaching labs.

What to Specify When Ordering

- Number of meters required; each includes the 0-10 A DC and 0-20 V DC attachments.
- Whether the meters are for Helmholtz coil experiments or general DC circuit work.
- Any Helmholtz coils, leads or power supplies you want quoted together.

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