Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Analogue Voltmeter AC

Product Code :

SCL1399/030



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Description :

Analogue Voltmeter AC (Product Code: SCL1399/030) measures alternating voltage on three ranges — 0–3 V, 0–15 V and 0–30 V — with a 0.1 V division listed for its scale. The meter has a left-hand zero indicator, a zero-position adjustment and a stationary 100 x 100 x 140 mm bench case. Its multi-range design lets one instrument follow the low voltages of a transformer's secondary coil as well as the higher outputs of a school AC supply, making it a practical addition to the physics lab instruments that schools in India use for AC work. Manufacturer: **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, based in Ambala, Haryana.

Specifications

Parameter	Detail
Current type	Alternating current (AC)
Measuring ranges	0–3 V / 15 V / 30 V
Scale division	0.1 V (as listed)
Zero position	Left zero indicator, with zero-position adjustment
Construction	Stationary (bench) instrument
Dimensions	100 x 100 x 140 mm

Typical Use

The classic application is the transformer ratio experiment: students measure the primary voltage on one range, the secondary voltage on another, and compare the ratio with the number of turns on each coil. Step-up and step-down arrangements are easy to follow because switching between the 3 V, 15 V and 30 V ranges keeps the pointer in a readable part of the scale. The meter also checks the output of a low-voltage AC supply before a lesson and shows how voltage divides across lamps or resistors connected in series on AC.

Connect it in parallel across the component being tested. When the voltage is unknown, begin on the 30 V range and move down only once the reading is clearly within a lower range. Use it with low-voltage AC sources only — never on the mains directly — and zero the pointer before each session for consistent results.

Manufacturer

Jain Scientific Equipments Private Limited, known to customers as ScienceLab, builds electrical measuring instruments like this at Ambala in Haryana for schools, colleges and dealers. The company profile gives a fuller introduction.

Related Lab Equipment

These items are used with an AC voltmeter in transformer and AC circuit practicals: