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Product Name :

Joulemeter / Wattmeter, Digital

Product Code :

SLE/PHY/195



Description :

Joulemeter / Wattmeter, Digital (Product Code: SLE/PHY/195) is a combined digital energy and power meter used to measure the joules and watts taken up by an AC or DC load in school and college electricity and heat practicals. Light and compact, it suits both class demonstration and student use, reading energy from 1J to 999,999J (or 1mJ to 999,999mJ) and power from 200mW to 200W. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, within its physics lab equipment range for India and international markets.

Specifications

Parameter	Detail
Measures	Energy taken up by a load and its power level, from AC or DC power
Energy range	1J to 999,999J, or 1mJ to 999,999mJ
Power range	200mW to 200W
Full-scale deflection	1V represents 100mW on the mW/mJ range, or 100W on the W/J range
Instantaneous power sockets	One pair of 4mm sockets
Design	Single-chip microprocessor with a dedicated precisionanalogue multiplier for power measurement
Timing	Built-in timing function
Input voltage	0 to 15V AC (0 to 21V DC); absolute maximum 35V DC, 24V AC
Input frequency	0 to 500Hz maximum
Maximum current	10A AC/DC
Accuracy	5%, typically better than 3% at full scale
Energy / power indication	6 digits
Power supply	220V AC, 50/60Hz
Dimensions	208 x 155 x 115mm
Intended use	Class demonstration or student use
Product code	SLE/PHY/195
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Digital Joulemeter Used For?

Connected between a low-voltage supply and a load, the meter totals the energy transferred while its built-in timer runs. Students can then find the specific heat capacity of a metal block or liquid [illegible] mall moto[illegible] well as D[illegible] C bench[illegible]