Email : sales@scilabexport.com
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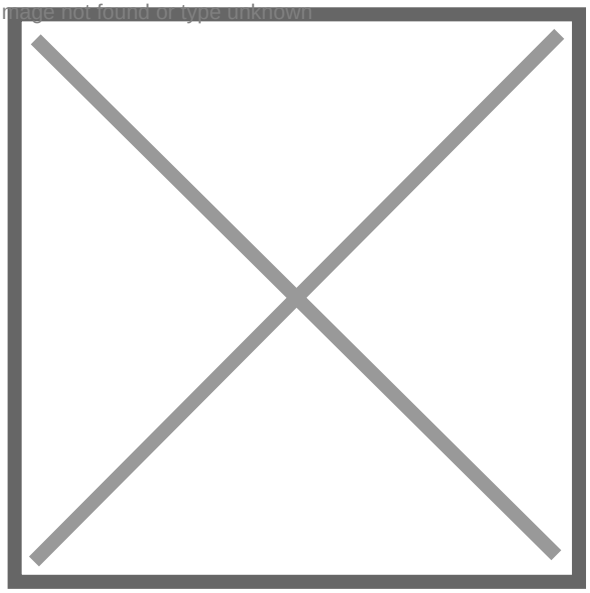
Product Name :

Large Motor/Generator

Product Code :

SCI-1531/014

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Science Lab

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Description :

Large Motor/Generator (Product Code: SCI-1531/014) is a dual-purpose DC machine used either as a driving unit or as a dynamo in physics lessons on motors, generators and energy conversion. It comprises a 2 to 6 V DC motor fitted with a 15 mm diameter V pulley and comes with a driving belt, so it links easily to other apparatus, a useful piece of physics lab equipment for schools. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Function	Driving unit or dynamo
Motor	DC motor, 2 to 6 V
Pulley	V pulley, 15 mm diameter
Supplied with	Driving belt
Teaching use	Studying the input and output of larger engines on a comparative level
Product code	SCI-1531/014
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Large Motor/Generator Used For?

Connected to a low-voltage DC supply, the machine runs as a motor and, through its V pulley and belt, drives other apparatus. Turned by an external drive instead, it works as a dynamo and produces a voltage that students can read on a meter. Showing the same machine doing both jobs is one of the clearest ways to explain that motors and generators share the same principle, run in opposite directions of energy conversion.

For quantitative work, pair it with a smaller motor/generator: drive one with the other, meter the voltage and current on each side, and compare power in with power out to discuss losses and efficiency between larger and smaller machines. Keep the supply within the 2 to 6 V range, align the belt so it runs true, and avoid over-tightening it, which loads the bearings and wastes power.

What to Specify When Ordering

- Whether you also need the Small Motor/Generator for input/output comparison experiments.
- The number of units for your demonstration bench or student groups.
- Any DC supply and meters you want quoted, checked against the 2 to 6 V rating.

Supplier

Jain Scientific Equipments Private Limited, which trades as ScienceLab, supplies the Large Motor/Generator from Ambala, Haryana, India, sourcing this DC motor unit for school and college physics laboratories. It can be quoted together with the Small Motor/Generator, meters and a DC suppl…n, the su… 06AA…

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