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Product Name :

Water Turbine with Dynamo Model

Product Code :

SLE/PHY/318



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Description :

Water Turbine with Dynamo Model (Product Code: SLE/PHY/318) is a working demonstration model used to show the conversion of mechanical energy into electrical energy in school physics and general science lessons. Flowing water turns a small turbine under a transparent cover, and the turbine drives a dynamo coupled directly to it, all fitted on a sturdy plastic base. The model is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Turbine housing	Transparent cover, so the turning wheel is visible
Water connections	Inlet and outlet tubes
Generator	Dynamo directly connected to the turbine
Base	Sturdy plastic base
Demonstrates	Conversion of mechanical energy into electrical energy
Product code	SLE/PHY/318
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Water Turbine Dynamo Model Used For?

The model is a small-scale picture of a hydroelectric station. Water enters through the inlet tube, strikes the turbine and leaves through the outlet, and the spinning shaft turns the dynamo, which generates a current. Because the cover is transparent, students can watch the wheel speed up as the flow increases and connect what they see to the energy chain from moving water to mechanical rotation to electricity.

For a class demonstration, run the inlet from a tap with a length of tubing and let the outlet drain into a sink or tray. Connect the dynamo terminals to a sensitive meter or a small lamp so the output can be seen, then vary the flow to show how more water gives more electrical output. This makes the model a useful demonstration model for the physics lab and energy topics. Drain and dry the model after use.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM that manufactures the Water Turbine with Dynamo Model. The turbine, cover and base are assembled with the dynamo at the company's own licensed factory at Saha, Ambala, Haryana, India, and the finished model goes factory-direct to schools, colleges, dealers and importers. Questions about spare parts or repeat orders are answered by the manufacturer itself, so just ask us. Read about the company on our company profile.

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