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Product Name :

Solar Wind Large

Product Code :

SLE/PHY/227



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Description :

Solar Wind Large (Product Code: SLE/PHY/227) is a wind energy experiment system used to teach the basics of using wind power in school physics, from simple qualitative trials to complete quantitative experiments. Students investigate how wind speed, wind direction and rotor type influence power output, with curriculum-based trials described for learners from age 11 to 13 and up to age 19. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for schools building a renewable energy course.

Key Details

Parameter	Detail
System type	Experiment system on the basics of using wind energy
Example investigations	Effect of wind speed, wind direction and rotor type on power output
Teaching approach	Curriculum-based trials on the topics needed to understand wind power plants
Qualitative experiments	For students aged 11 to 13
Quantitative experiments	Complete trials for physics lessons up to age 19
Experiment descriptions	Qualitative and quantitative trials described in detail
Contents list	Available on request before ordering
Product code	SLE/PHY/227
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Wind Large Used For?

One system can serve several year groups. Younger students aged 11 to 13 carry out qualitative experiments, for example noticing how a rotor responds when the wind gets stronger or changes direction. Older physics classes, up to age 19, follow the detailed quantitative trials and record how power output changes with wind speed, wind direction and the type of rotor fitted.

Because the trials are built around how wind power plants actually function, the results lead naturally into discussions of turbine siting, rotor choice and why output varies from day to day. It suits schools looking for physics lab equipment in India that covers renewable energy across middle and senior classes, and a separate wind speed meter can be added for measuring conditions in the room.

What to Specify When Ordering

- The age groups you teach: qualitative work (11 to 13), quantitative work (up to 19) or both.
- How many systems you need for your student groups.
- Whether you want the current contents list sent to you with the quotation.
- Any companion items, such as a wind speed meter or other sets from the same renewable

Man

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