



Experimentation with Wind Energy

Nvis 6008



Nvis 6008 Wind Energy Trainer is a versatile training setup used in laboratories to understand the conversion of wind energy into electrical energy.

It introduces the basic concept of wind turbine, of converting kinetic energy of wind into mechanical energy and then this mechanical energy into electrical energy. The setup works as a live demonstration unit of wind turbine and generator in terms of its concepts and applications. It is provided with a Wind Turbine Setup and Wind Energy Trainer.

Features

- Complete setup to study fundamentals of wind based DC power generator
- Measurement and Application modes
- On board Voltmeter and Ammeter
- Charging a battery using wind energy as the generator of DC Supply
- Portable and light weight
- Strongly supported by systematic operating instructions with theoretical and practical details
- Online product tutorial

Hybrid Solar and Wind Energy Trainer is also available (Nvis 6009)

Technical Specifications

Wind Turbine Setup	: Contain 3 blades
Maximum Open Circuit Voltage	: 2.5V to 3.5V
Maximum Short Circuit Current	: Up to 220mA
Voltmeter	: 0-10V
Ammeter	: 0-500mA
Potentiometer	: 1k Ω
AA Rechargeable NiCd Battery	: 1.2V
Lamp	: 3V DC
Fan	: 3V DC
FM Band Radio	: 3V DC

Designed & Manufactured in India by

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