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**Product Name :**  
Wind Energy Modular Trainer With Connection To Mains

**Product Code :**  
LBNY-0005-18400032



#### **Description :**

##### **Training Objectives:**

Interpretation of diagrams and association with their objective  
Measurement of wind speed  
Identification of the components and association with their function  
Analysis of the operation of the installations once assembled  
Assembly of the proposed installations  
Analysis of the behavior of the wind turbine.

##### **Technical Specification :**

A wind turbine, 400W, 12Vac.  
A load module. It includes two mains voltage lamps, dichroic 35W and LED 3W, with independent switches.  
A module for the measurement of: wind speed (m/s), wind direction (degrees), current up to 30V,  $\pm 15A$  (two dc ammeters), voltage up to 30V and power up to 1000W.  
Anemometer and wind direction sensor mounted on a stand.  
A supporting frame for the modules.  
A braking resistance, 250 W, 3 Ohm.  
A differential magneto thermal switch.  
A network distributor.  
A dc to ac converter module.  
An energy measurement module.  
A motor kit for driving the wind turbine, composed of a stepper motor and a 300 W power supply.



**Laboratory Instrument India**