



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Wind Energy Modular Trainer

**Product Code :**  
LBNY-0005-18400030



#### **Description :**

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

Direct current wind energy installation  
Alternating current wind energy installation  
Complete system for wind energy  
Installation and testing of the anemometer  
Connecting the wind turbine and the anemometer to the trainer  
Identification of the components  
Installation and testing of the wind turbine  
Battery regulating and charging.

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

A wind turbine, 160W, 12V.  
Anemometer and wind direction sensor mounted on a stand.  
A load module. It includes two 12V lamps, dichroic 20W and LED 3W, with independent switches.  
A load module. It includes two mains voltage lamps, dichroic 35W and LED 3W, with independent switches.  
A supporting frame for the modules.  
A battery.  
A battery control module, 12V, 32A.  
A dc to ac converter module, with sinusoidal output at mains voltage. Average power: 300 W.  
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.



**Laboratory Instrument India**