

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

**Product Code :**  
NLAB-ENGINEERINGLB29003



**Description :**

Wind Energy Modular Trainer With Connection To Mains

**Technical Specification :**

Wind Energy Modular Trainer With Connection To Mains Lab Equipments Manufacturer, Suppliers & Exporters  
Training Objectives of Wind Energy Modular Trainer With Connection To Mains

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

Technical Specifications of Wind Energy Modular Trainer With Connection To Mains

A wind turbine, 400W, 12Vac.

Anemometer and wind direction sensor mounted on a stand.

A supporting frame for the modules.

A braking resistance, 250 W, 3 Ohm.

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.

A dc to ac converter module.

An energy measurement module.

A differential magneto-thermal switch.

A network distributor.

A motor kit for driving the wind turbine, composed of a stepper motor and a 300 W power supply

## Naugralabequipments

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