

**Product Code . ILS-ELE-10658**

## Wind Energy Modular Trainer With Connection



### Description

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Identification of the components and association with their function

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

Technical Specification:-




- Anemometer and wind direction sensor mounted on a stand.
- A supporting frame for the modules.

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- A braking resistance, 250 W, 3 Ohm.
  - 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.
  - A network distributor.
  - A motor kit for driving the wind turbine, composed of a stepper motor and a 300 W power supply.
  - A dc to ac converter module.
  - An energy measurement module.
  - A differential magneto?thermal switch.

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