

Product Name :
Wind Energy Modular Trainer

Product Code :
ASTRALAB-SUPPLYA21074



Description :

Wind Energy Modular Trainer

Technical Specification :

Training Objectives of Wind Energy Modular Trainer

Alternating current wind energy installation.

Identification of the components.

Battery regulating and charging.

Direct current wind energy installation.

Complete system for wind energy.

Installation and testing of the wind turbine.

Installation and testing of the anemometer.

Connecting the wind turbine and the anemometer to the trainer.

Anemometer and wind direction sensor mounted on a stand.

A battery control module, 12V, 32A.

A load module. It includes two 12V lamps, dichroic 20W and LED 3W, with independent switches.

A supporting frame for the modules.

A battery.

A wind turbine, 160W, 12V.

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, with sinusoidal output at mains voltage. Average power: 300 W.



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