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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