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Product Name :
Wind Power Trainer

Product Code :
LBNY-0005-18900011



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Description :

The system acts as a wind tunnel where the design of a wind turbine can be tested and the power output measured in DC amps and volts. The power can be directed towards a bank of lights or for external use. The maximum power produced by the generator is 5 amps at 20 volts DC. Wind Power Generator removes the uncertain weather conditions by having a built-in wind power source. The trainer has wind speed measurements and DC meters showing voltage and current. The electrically driven fan which is an integral part of the unit, is capable of simulating wind power speeds up to 25 mph. Wind speed measurement can be taken easily with a handheld picot tube connected to a meter calibrated directly in mph. There are several out-puts and load adjustments making the electricity generated easy to use and test by the student. The wind is generated by a 120 volt motor with dual speed settings which the wind turbine converts this energy to electrical power. The generator output can also be connected to an external load. The electrical load is taken up by internal resistors, both fixed and variable.

Technical Specification :

The consists of:
4" Wind Speed Meter with Movable Picot Tube; 0-2, 800 FPM
2.5" Voltmeter; output 0-25 volts
2.5" Ammeter; field current 0-3 amps
2.5" Ammeter, output 0-5 amps
Field Adjust Rheostat
Eight 1" Panel Lights
Load Adjust Rheostat g.
Load Display Selector Switches

Output Terminals

Output Power: 0-20V DC (0-5 amps DC)

Operable in wind from 1,000 to 2,800 FPM

Input Power: 115V AC (11 amp 60Hz)

Complete Integral Fan for Wind Simulation.



Laboratory Instrument India