

Wind Pitch Education Kit (PWH11)

General Description

Wind Pitch PWH11 is a miniature wind turbine capable of generating 10.0V/100mA at 2000 RPM rotor speeds. It was primarily designed to evaluate the pitch (setting angle) of wind blades. There are 12 independent blade slots that can be used to display a variety of different blade configurations. This kit teaches how differing blade types and number impacts power output. The kit also demonstrates how horizontal wind turbines use stalling or reduction of rotational speed to protect from overly powerful wind speeds.

The unit includes three different sets of profiled blades and one set of sheet blades. The Wind Pitch uses 3-Phased AC Alternator similar to the commercial wind turbines. This kit also comes with an LED/ music maker module to demonstrate the power generated by wind energy. Ideal for ages 10 and up to teach them the wind power fundamentals.

Technical specifications:

- Mini wind turbine that generates electricity to power various electronics
- Attached weather vane for repositioning into the wind
- Adjustable blade pitch for power generation optimization
- Power output of 8.0V/100mA at wind speeds of 12 mph
- Music box included
- weight: 1.3kg



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