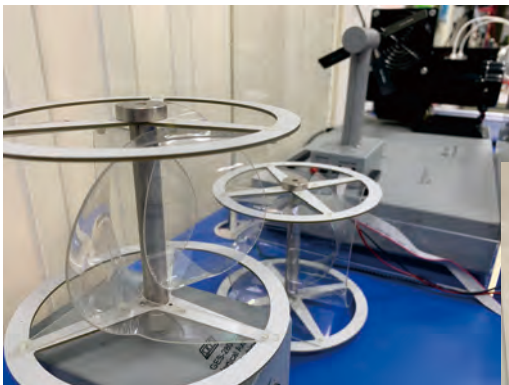




GES-200 Wind Energy Trainer

The wind is a clean, free, and readily available renewable energy source. Around the world, wind turbines are capturing the wind's power and converting it to electricity.

The GES-200 Wind Energy Trainer is designed for learning the basics and the characteristics of wind energy. The current-voltage characteristic curves and charging / discharging curves are obtained through the use of different wind speeds, load units and wind generators.



Wind Turbine Types

A wind turbine is a device that converts the wind's kinetic energy into electrical energy. Modern wind turbines fall into two groups: Horizontal-axis turbine and Vertical-axis turbine.

For horizontal-axis turbine, three different types of fan blades allow the user to adjust the number of blades and different tilt angles to learn the effect of blade angle and number on the output power.

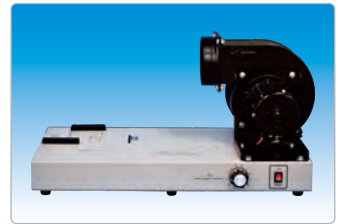
Horizontal Axis Wind Turbine



Vertical Axis Wind Turbine



Wind Generator



Data Acquisition Device with Software

To measure and record the voltage and current values

Data Acquisition Device

