

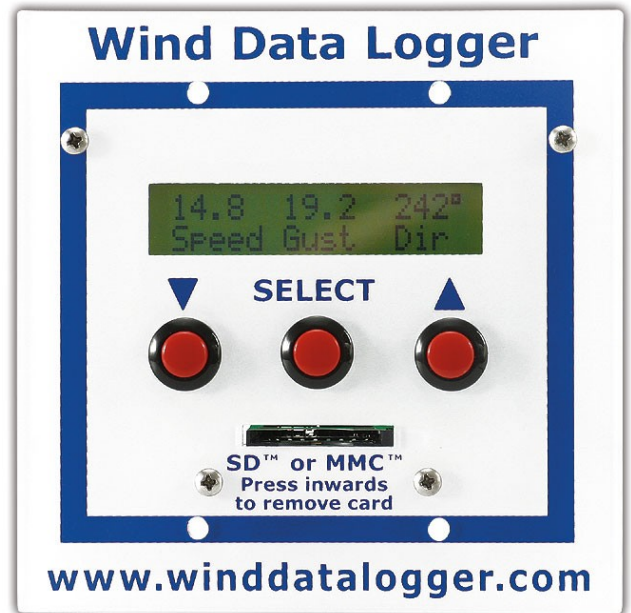
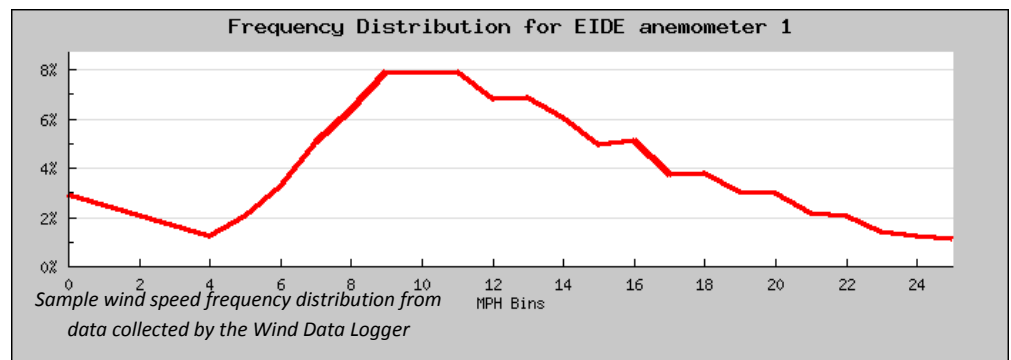
Wind Data Logger

The Wind Data Logger is designed to provide an affordable and easy-to-use solution for wind site evaluation and wind generator performance. It easily supports both simple and complex monitoring applications. The Wind Data Logger records wind speed, gust, and direction, as well as the time and date, temperature, battery voltage, and other important wind parameters. The data logger is capable of recording wind speed from up to three anemometers, making it ideal for more complex studies involving multiple wind speed instruments and other sensors.

The Wind Data Logger records directly to a Secure Digital (SD™) card to provide convenient data downloads. An inexpensive 128 megabyte SD™ card will store weeks of data at 30 second intervals and months of data at longer logging intervals. This means fewer trips to retrieve data from the Wind Data Logger. For your convenience, a new file is created and saved to the card for each day the logger is in use.



Using the recorded data is simple. The SD™ card is inserted into a card reader attached to the USB port on your computer (Windows, Macintosh, or Linux) and will then show up as a drive. To view and graph the data, click on the spreadsheet corresponding to the day of interest. Microsoft Excel, OpenOffice.org, or practically any spreadsheet program can be used to view, graph, and analyze your wind data. We also provide web-based software that makes your analysis even easier. Simply upload your data and our software will automatically plot the data as well as provide basic statistics.

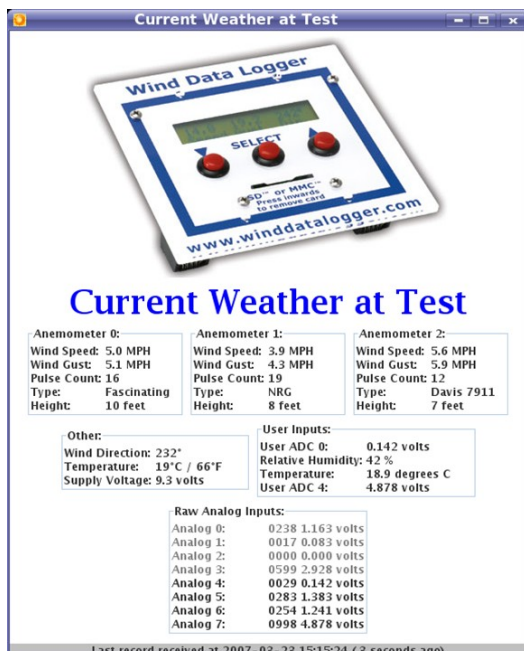
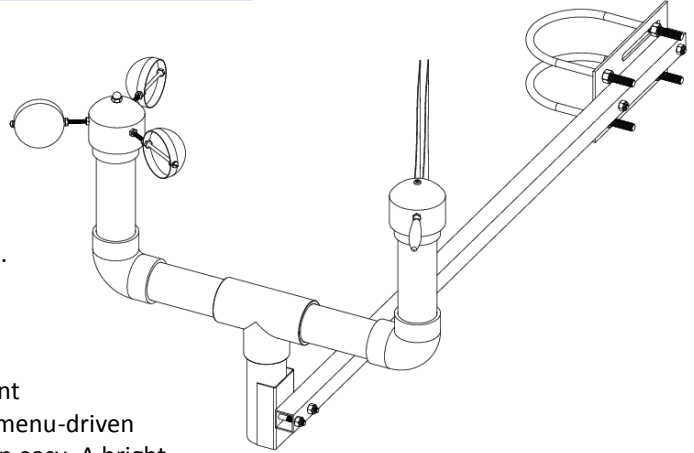


LOGS WIND SENSORS, WEATHER SENSORS, ANALOG INPUTS, AND SYSTEM PARAMETERS

- Three anemometers (wind speed, gust, pulse count)
 - Real time clock
- Wind vane (wind direction)
 - Input DC voltage
- Thermometer (temperature)
 - Many optional sensors available – voltage, current, temperature, relative humidity, rain fall, light intensity, kWh, and many more
- Three 0-5 VDC analog voltage inputs

SYSTEM FEATURES

- **Adjustable logging interval** – The logging interval is adjustable from 10 to 50,000 seconds (16.6 hours) in one-second increments. For most applications, a 60 second interval is ideal.
- **Sensors and Mounting** – An anemometer and wind vane mount directly to 1.5" PVC pipe. The wind sensors can be located hundreds of feet away from the Wind Data Logger. APRS World, LLC has a complete line of sensors and mounting solutions. The Wind Data Logger is compatible with almost any type of anemometer including those from NRG Systems and Davis Instruments.
- **Display** – A 16-character x 2 line backlit LCD screen displays current information and is used for configuring the data logger. A simple menu-driven interface using the LCD and three front panel buttons makes setup easy. A bright backlight makes the data logger easy to read at night.
- **Power Source** – The Wind Data Logger operates directly from any DC voltage source between 7 and 40 volts. Power consumption is approximately 10mA, which allows the Wind Data Logger to be powered from the wall, alkaline batteries, or solar power systems. APRS World, LLC can supply a variety of power options including an AC wall adapter or self-contained and power systems.
- **Clock** – An accurate real-time clock is used to time-stamp each measurement. The clock is battery backed and is accurate to within 10 minutes per year.
- **Logging** – The data logger supports Multi Media Card (MMC™) and Secure Digital (SD™) cards up to 128 megabytes. APRS World, LLC can supply you with reliable SD™ cards for all of your logging needs.
- **Installation** – The Wind Data Logger mounts directly to a double gang (double) electrical box for clean installation in a wall or an electrical panel.
- **Communications** – An RS-232 serial port is a feature of every Wind Data Logger. This port allows communication with computers and other communication equipment. APRS World has free PC software that can display and log data directly to your computer or our Internet site. Short range wireless links are available now and GSM cell modems will be available soon.



WIND DATA LOGGER STARTER KIT - \$365.00

Includes everything you need to get started!

- Wind Speed Data Logger
- 25' anemometer cable
- Mounting hardware
- AC adapter
- 128 megabyte SD card
- USB card reader
- Temperature sensor
- Assembled anemometer
- Printed manual



Many other options are available from APRS World!! Please visit our website or give us a call for our complete line of products and accessories!

