JWS Log

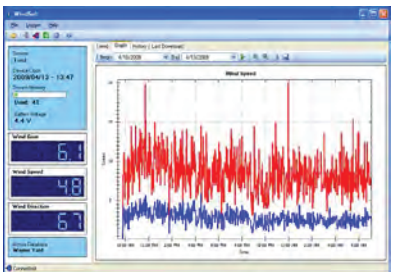
ON-SITE AND IN REAL TIME

Document wind conditions for turbine feasibility

Data can be do wnloaded from the JWS Log using a 15- foot USB cable and the no-cost Windows-based JWS Log software (WindSoft), which uses a SQLite database to track and record wind information. The logging interval can be set from once a minute to once an hour. USB extenders can be used to lengthen the USB cable to over 100 feet. The USB cable can be left connected to the JWS Log allowing real-time viewing of the wind data on a computer.

By combining both logged and real-time data WindLog can be used both online and offline. WindSoft can generate statistics, graphs and reports. It can also export CSV files for use with Microsoft Excel or any other application that supports CSV files. Battery life for the logger will depend upon the environment and logging rates. Typical battery life is 6-9 months. When connected to a computer the WindLog™ will use the USB port power to run. This further extends the life of the batteries. The Mini-Aervane wind sensor is equipped with low friction race bearings. This reduces the threshold to approximately one mile per hour. The wind direction sensor has a 16-point resolution. Logged direction readings are averaged readings. A support mast is included with the JWS Log. This mast can be used with the Mono Mount or tripod. The mast may also be attached to a support structure using U-Bolts or lag screws.

JWS Log &
JWS Log-XT-50 with 50' Extension Cable



Features

- Assess viability of renewable energy projects with long-term studies.
- Perfect for small scale utility or residential turbines less than 20 kW.
- Measurement intervals from 1 minute to 1 hour based on 1-second samples.
- With a 1-second upload - virtually real time monitoring on your PC!
- Free software displays text, report and graphs.
- Logs average speed, wind gust and average direction.
- 3 AA batteries will power 1 year of data collection at a 10 minute logging interval.

Product Specifications

SPEED

Range: 0 – 67 meters per second (150 Mph)
Accuracy: +/- 2%
Sensor: 4-blade propeller – Lexan – UV inhibited
Threshold: .45m/sec. (1 Mph)
Transducer: Magnetic dry reed switch
Frequency: 1 cycle per revolution

DIRECTION

Range: 360° – no deadband
Resolution: 22.5°, averaged.
Accuracy: +/-22.5°
Sensor: Balanced vane with a 16.5cm (6.6 inch) radius
Threshold: .9 m/sec. (2 mph) at a 10° detection.
The balanced propeller is supported in stainless steel instrument ball bearings.
The direction is obtained through 8 dry reed switches with no dead band.
The M-AV sensor is made from UV inhibited Dupont Delrin, Lexan and stainless steel.

Order Information

SKU	MODEL	PRODUCT DESCRIPTION
804-1005	JWS Log	Collect data on wind speed wind gusts wind direction in real time
804-1006	JWS Log-XT-50	50' wind extension cable to separate anemometer from the logger
804-1007	JWS Log-XT-100	100' wind extension cable to separate anemometer from the logger
804-1008	USBEXT	Extension kit for USB connection. Up to 100'
804-1040	JWS Log MAST-30	Telescoping 30' mast, Guy kit and cables
804-1009	JWS Log MAST-40	Telescoping 40' mast, Guy kit and cables
804-1050	JWS Log MAST-50	Telescoping 50' mast, Guy kit and cables