

Features

- Durable housing for logger
- 3-cup anemometer
- 0 to 100 MPH range (0 to 160 KPH range)
- 0.085 mph resolution at 10 second sampling rate
- +2.5% calibrated accuracy over 10 to 100 mph (16 to 160 KPH)
- High speed download
- View in MPH/KPH

Applications

- Alternative energy assessment
- Educational use
- Research
- Meteorology/climatology

The Wind110 is a complete system to accurately measure and record wind speed. The self-contained, low cost wind speed recording system comes complete with a data logger,



weatherproof enclosure, three-cup anemometer and all the necessary cabling to quickly get up-and-running. The logger can record up to 16,383 readings and the storage medium is non-volatile, solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from a computer using our user-friendly software.



MadgeTech Data Recorder Software displays event data in an easy to use graph.

The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

Click [MadgeTech Software](#) for more information or to download the software.

WIND110 SPECIFICATIONS*

Measurement Range: 0 to 100 mph (0 to 45 m/s)

Resolution: 0.085 mph at 10 second reading interval

Accuracy: ±2.0 mph from 0 to 10 mph
±2.5% of reading from >10 to 100 mph

Starting Threshold: 1.75 mph

Memory: 16,383 readings; software configurable memory wrap.

Reading Rate: 1 reading every second to 1 every 12 hours

Start Time: Software programmable start time and date, up to six months in advance

Real Time Recording: May be used with PC to monitor and record data in real time

Battery Type: 3.6V lithium battery included; **user replaceable**

Battery Life: 10 years typical (15 min. reading rate @ 25°C)

Data Format: User defined engineering units mph or KpH (mph by default)

Software: XP SP3/Vista/Windows 7

Computer Interface: PC serial or USB (Interface cable required); 57,600 baud

OPERATING ENVIRONMENT

Anemometer: -55 to +60°C (-67 to +150°F);
0 to 100%RH

Data Logger: -40 to +80°C (-40 to +176°F);
0 to 95%RH

Anemometer Dimensions: 2.1" height x 7.53" diameter
(54mm height x 192 mm dia.)
(mount post not included)

Housing Dimensions 2.9" x 5.8" x 1.5"
(74mm x 148mm x 39mm)

Weight: 18.1 oz. (513 g.)

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series	Statistics:	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Real-Time Recording:	Collect and display data in real-time while continuing to log	Export Data:	Export data in a variety of common formats, or switch to Excel® with a single click
Graphical Cursor:	One click displays readings by time, value, parameter or sample number	Calibration:	Automatically calculate and store calibration parameters
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations	Logger Configuration:	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values	Communications:	Automatically sets up communications port, or lets user select configuration
Formatting Options:	Change colors, line styles, plotting options, show or hide channels quickly	Printing:	Automatically print graphical or tabular data

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

ORDERING INFORMATION

<u>Model</u>	<u>Description</u>	<u>Price (U.S.)</u>
WIND110	Wind speed recording system. Includes 3-cup anemometer with sensor connection cable, data recorder, weatherproof enclosure and the IFC110 interface cable and software kit.	\$399.00
LTC-7PN	Replacement battery for data logger	\$10.00

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com



DOC-1102009-00 REV E 2010.06.28