Windware™
windspeed data software

INSTRUCTIONS

Thank you for purchasing Windware™ wind speed data acquisition software from Inspeed. We hope it will provide you with valuable information about the wind patterns in your area.

CAUTION: Please do not run other processor-intensive applications while collecting wind data, as it could possibly affect results.

PLEASE TEST IT BEFORE YOU INSTALL IT ☺

Installation – Wind Speed Sensor

Getting a good measure of wind speed with the Vortex™ wind speed sensor is simple: mount the rotor on a stiff pole or bracket as high up as you can in order to get into clean wind. Run the wire along the pole and secure it roughly every 18 to 24 inches. Connect the red and black wires to the adapter cable. You can also connect the wind sensor to a USB port with a COM to USB adapter.

If you wish to trigger a low-level external electrical device based on the alarm in Windware, you can do so as follows:
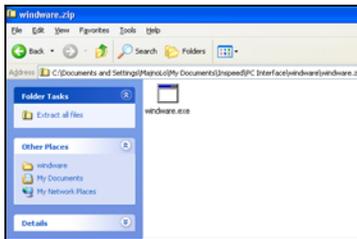
- Open the Windware connector
- Solder connection wires to pins 5 and 7

See inspeed.com for details and specifications.

Installation – Windware Software

Copy the Windware zipped folder to your hard drive, then unzip it to the directory of your choice. If you do not make any changes it will create a new directory and install the file to:

C:\Program Files\InSpeed.com\WindWare

The unzipped item is an installation program that will look like this:

windware.exe

Double-click on the red arrow to run the installation.

If you make no changes it will create a new file and install the program to:

C:\Program Files\InSpeed.com\WindWare

It will also place a shortcut on your desktop - a "Windware" icon for you to gain rapid access to the program.

The installation is now complete!

Data Files

Windware stores the current, max, min, and average wind speeds according to SETUP settings in a .CSV file (comma separated variable). Any spreadsheet can open it for plotting or analysis.
When opening the files in Microsoft Excel® or comparable programs, make sure to look for "ALL FILE TYPES" in order to see the wind data file.
Stopping and starting data logging APPENDS data to the existing file, with a new header; it will NOT overwrite existing data.

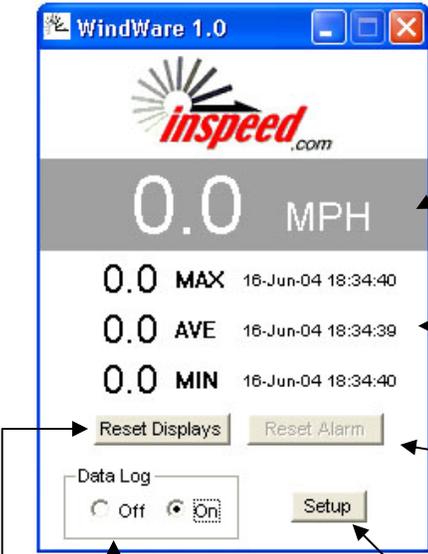### Cleaning and maintenance of the Wind Sensor

If by chance dirt or contamination should enter the bearings of the Vortex, it is not hard to clean, as follows:

- Remove the two screws that hold the plate under the Vortex body
- Carefully remove (pry off) the circlip on the bottom of the shaft (good luck finding it if you drop it!)
- Remove the shaft and rotor assembly and clean the body thoroughly – do not oil – graphite lube only.
- Reassemble in reverse order

Thank you and enjoy your Windware Kit!

LIVE DISPLAY

WindWare 1.0

0.0 MPH

0.0 MAX 16-Jun-04 18:34:40
0.0 AVE 16-Jun-04 18:34:39
0.0 MIN 16-Jun-04 18:34:40

Reset Displays   Reset Alarm

Data Log
○ Off ● On   Setup

Live display – turns color
when alarm is tripped

Time stamps for:
MAX – when it happened;
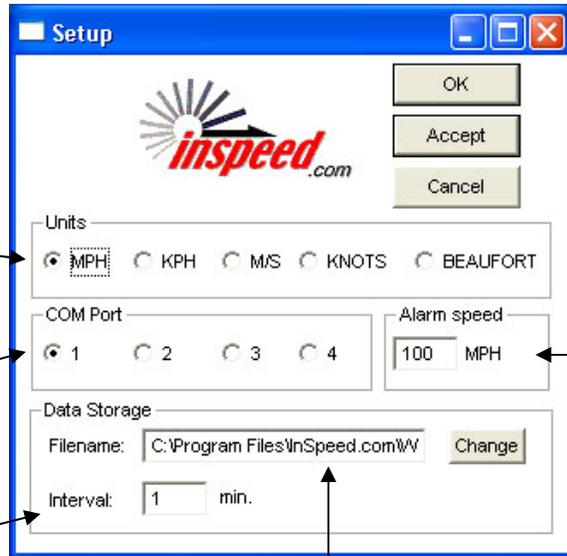AVE – when displays were last
reset;
MIN – when it happened

Click to reset alarm
and digital output

Turns data logging
on or off.

SETUP will get you here:

Reset Displays will reset the
MAX and MIN displays and
establish a new start time
for the AVERAGE.
NOTE: this NOT the
same average as
the stored data

SETUP DISPLAY

Setup

OK
Accept
Cancel

Units
● MPH ○ KPH ○ M/S ○ KNOTS ○ BEAUFORT

COM Port
● 1 ○ 2 ○ 3 ○ 4

Alarm speed
100 MPH

Data Storage
Filename: C:\Program Files\InSpeed.com\W   Change
Interval: 1 min.

Select your units

Select the proper COM
port for wind sensor
input

This is the time interval for
AVERAGING WIND SPEED
and for DATA LOGGING

File name and location for the
.CSV wind speed data file.

Set a wind speed to trigger the
live display color change and
digital output