

# vortex™

## Anemometers with "D2" Rotor

For Models with **Sigma Sport BC1200** Display



Thank you for purchasing a Vortex Anemometer!

**The unit is shipped calibrated** – you do not need to do anything but connect the display!

However - if you should need to change the battery in the display, you will need to enter the proper "WS" for the unit to display the right wind speed.

That number is **0711 for MPH**.

For a readout in **KPH, enter 1144**.

For a readout in **Knots, enter 0641**; ignore the "M".

MORE INSTRUCTIONS HERE:

<http://www.inspeed.com/help.asp>

The Vortex is intended for casual use and should provide wind speed data within approximately 4% of reading from ~10 mph to ~50 mph or  $\pm 1$ mph. The Vortex will register speeds well over 100 mph, and we believe it to be accurate at those speeds, but it has not been verified at speeds above 50 mph.

The calibration of the Vortex is NOT affected by the length of the wire – use as much as you want! Any wire will work!

**Replacement batteries** are available in stores or from Inspeed (model number CR2032). **Do not undo the little screws to get to the battery – just twist!**

**To remove the display** from the bracket: simply twist the display to the left while holding the bracket. (The bracket is the part behind the display with the wire coming out).

The display will stay on as long as the rotor is turning. Remove the display from the bracket (or disconnect the wire) to conserve the battery. Removal from the bracket does not affect calibration.

### **IMPORTANT NOTE ABOUT AVERAGE WIND SPEED:**

The display will only record and average when the wind is blowing. It stops recording below approximately 1 mph. That means that if the wind blows for 2 hours at 20 mph and 2 hours at zero, the average shown will be 20, not 10! Please keep this in mind for your desired use of the Vortex.

There is a work-around! See Inspeed.com for details!

### **Installation & Operation**

#### **PLEASE TEST IT BEFORE YOU INSTALL IT ☺**

Connect the display and spin the rotor to make sure everything is working **FIRST THING**.

Mount it as high up as you can in order to get into clean air. Connect the display (there is no polarity for the unterminated wire models), stick the display where you like it, and voila!

Note that the display is water resistant - NOT waterproof - and should NOT be left out of doors for extended periods of time. The rest is simply a matter of displaying the information you want to see on the display: current speed, max speed, average speed, etc. For instructions on how to use the display, refer to the instructions enclosed or on the [inspeed.com](http://inspeed.com) web site.

### **Maintenance**

The Vortex 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 thoroughly – do not oil – graphite (dry) lube only.
- Reassemble in reverse order.



Hand-Held



Pole Mount  
(any length wire)



"Flex Wire"  
(only 25 feet)



Magnetic Mount



Window Mount

