



# "Storm Chaser™" Anemometer

## OWNERS INSTRUCTIONS – Sigma Sport BC 1200 Version

Thank you for purchasing a Vortex Anemometer! It was designed to provide you with consistent, accurate information, for use in a rugged environment, at an affordable price. We hope it will exceed your expectations.

Here are a few things about your Vortex:

### Calibration

The unit is shipped calibrated in mph – you do not need to do anything unless you want kph or knots!

But – if/when you should need to change the battery in the display, you will need to enter the proper number for the unit to display the right wind speed. That number is **952** (for mph).

For a readout in **km/h, enter 1532.**

**For knots, enter 858** and leave it on "m" for mph, and do your best to ignore the "mph" label on the display...

Instructions are in the booklet and additional, more readable ones, on Inspeed.com.

Replacement batteries are available in stores or from Inspeed (model number CR2032).

### IMPORTANT NOTE ABOUT AVERAGE WIND

**SPEED:** The display stops recording below approximately 1.5 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.

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

If you are away from the unit for some time, it is a good idea to remove the display from the bracket to conserve the battery – otherwise, it will stay on as long as the rotor is turning. Removal from the bracket does not affect calibration.

A note on accuracy: the Vortex is intended for casual use and should provide wind speed data within approximately 4% of reading from ~10 mph to ~50 mph, the range over which it was checked in a proper wind tunnel. The display will work to speeds well over 100 mph, and we believe it to be pretty darn accurate at those speeds!



### Installation & Operation

The magnets provided will stick well to any ferrous sheet metal – at wind speeds up to approx. 100 mph. (unless you drive a DeLorean!). Don't hesitate to bend the aluminum to fit the shape of the vehicle. You may want to apply a thin protective sheet between the magnets and the body to avoid scratches. Simply run the wire through an open door – closing an automotive door on the wire should not harm it. Stick the display where convenient – Velcro is provided to make it easily removed and replaced.

Please do not attempt to record wind speeds while driving – it will not be accurate!

The display is water resistant - NOT waterproof - and should NOT be left out of doors for extended periods of time. Think of a bike ride in the rain – like that...

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 Inspeed.com.

### Cleaning and maintenance

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 –dry lube only.
- Reassemble in reverse order

**Thank you and enjoy your Vortex™!**

