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## **vortex**<sup>™</sup> Hand-Held Anemometer



### **"PRO Model" OWNERS INSTRUCTIONS**

Thank you for purchasing a Vortex Hand-Held Anemometer from Inspeed!

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 – email us at [info@inspeed.com](mailto:info@inspeed.com) with your comments!

Here are a few things you should know about your Vortex:

#### **Calibration**

If and when you should ever need to change the battery on 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** – which corresponds to the wheel circumference if it was mounted on a bicycle. For a readout in **KPH, enter 1532**. For a readout in **knots, enter 858** and ignore the "mph". The battery is available in stores or from Inspeed.

**To remove the display** simply depress the little tab and slide the display upwards.

A note on accuracy: the Vortex is intended for casual, intermittent use and should provide wind speed data within approximately 4% of reading from ~10 mph to ~50 mph. The PRO model will read much higher speeds than that, but it has not been verified in a wind tunnel. Please do not use this device for critical applications!

#### **Operation**

Getting a measure of wind speed with the Vortex is simple: just tilt the head so that it is horizontal and hold it up in an area of clean wind – ideally in front of you as you face the wind, or in front of you with the wind to your side. 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.

#### **Storage**

In order to maximize the life of the battery, it is important to store the unit with the little white dot on the 3-cup rotor close to the display. (This is intended to keep the internal magnet away from the reed switch and allows the display to "go to sleep" while the unit is not in use). Simply fold the head of the unit down with the white dot close to the top of the display. **CAUTION:** the face of the display is made of plastic and will scratch! Keep it away from abrasive materials and sharp objects!



#### **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
- Remove the shaft and rotor assembly and clean the body thoroughly
- Reassemble in reverse order

#### **Other Stuff**

Yes, you can use the display on your bicycle as well. Simply purchase an optional bicycle bracket kit (from Inspeed or any reputable bicycle shop), calibrate the unit to your bike, and voila! Note that it supports 2 wheel diameters, so you can keep both calibration numbers stored at all times.

No, this device is not water-proof, nor will it float. It is water-resistant, so dry it off quickly if it gets soaked!

**Thank you and enjoy your *vortex*!**