

# breeze

self-powered  
wireless  
wind sensor

This anemometer is a wireless version of the popular three-cup design used in wind assessments for decades, manufactured to precise industry standards. The rotor is made of tough polycarbonate for exceptional durability and reliability. Manufactured in the USA with exceptional quality control—all units are tested mechanically and electronically before shipping.

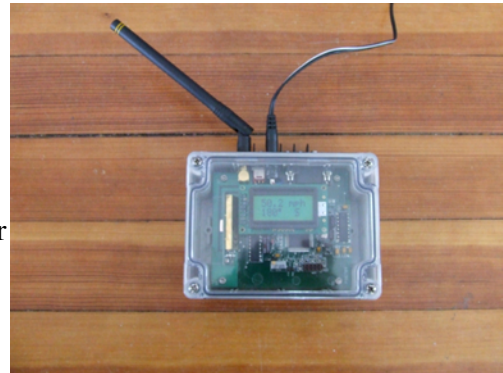


## Sensor specifications:

- Conical cups measure 51 mm (2 inches) in diameter
- Rotor diameter is 190 mm (7.5 inches)
- Eight pole magnet rotates with the cup assembly
- Stainless steel shaft rotates on shielded stainless steel ball bearings
- Transfer Function:  $m/s = (Hz \times 0.766)$  [miles per hour =  $(Hz \times 1.714)$ ]
- Accuracy: within 0.1 m/s (0.2 mph) for the range 5 m/s to 25 m/s (11 mph to 55 mph)
- Transmission Frequency 916.5 MHz
- Typical unobstructed propagation - 120 ft with 3 inch whip antenna on receiver
- Transmission updates settable for 1 second or 15 seconds
- Data integrity insured - CRC broadcast with every packet

## Receiver specification:

- Measurement Range 0 – 120 MPH
- Removable antenna
- Serial (RS-232), analog voltage, and analog pulse outputs
- Local LCD display
- Transfer function programmable to emulate nearly any anemometer
- Operating Temperature -25 – 70 C
- Operating Frequency 916.5 MHz
- Power Requirements 8-15 VDC, 400 mw



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