

Troubleshooting: 'Wind Calm'

January 2021

Applies to SA 1000/2000/3000

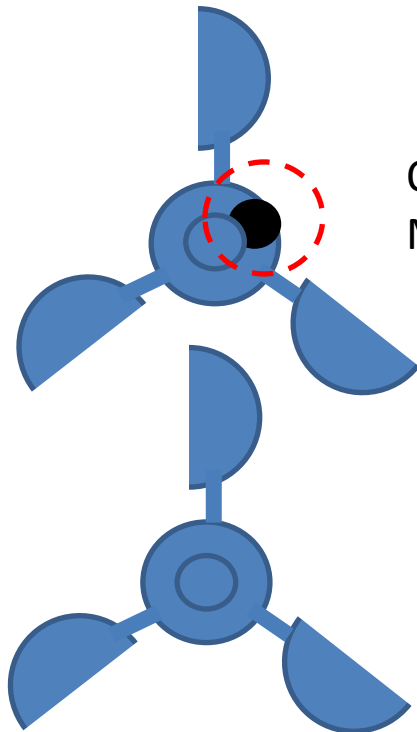
Potomac Aviation Technology Corp

1990's sensors were magnetic

Newer sensors are optical

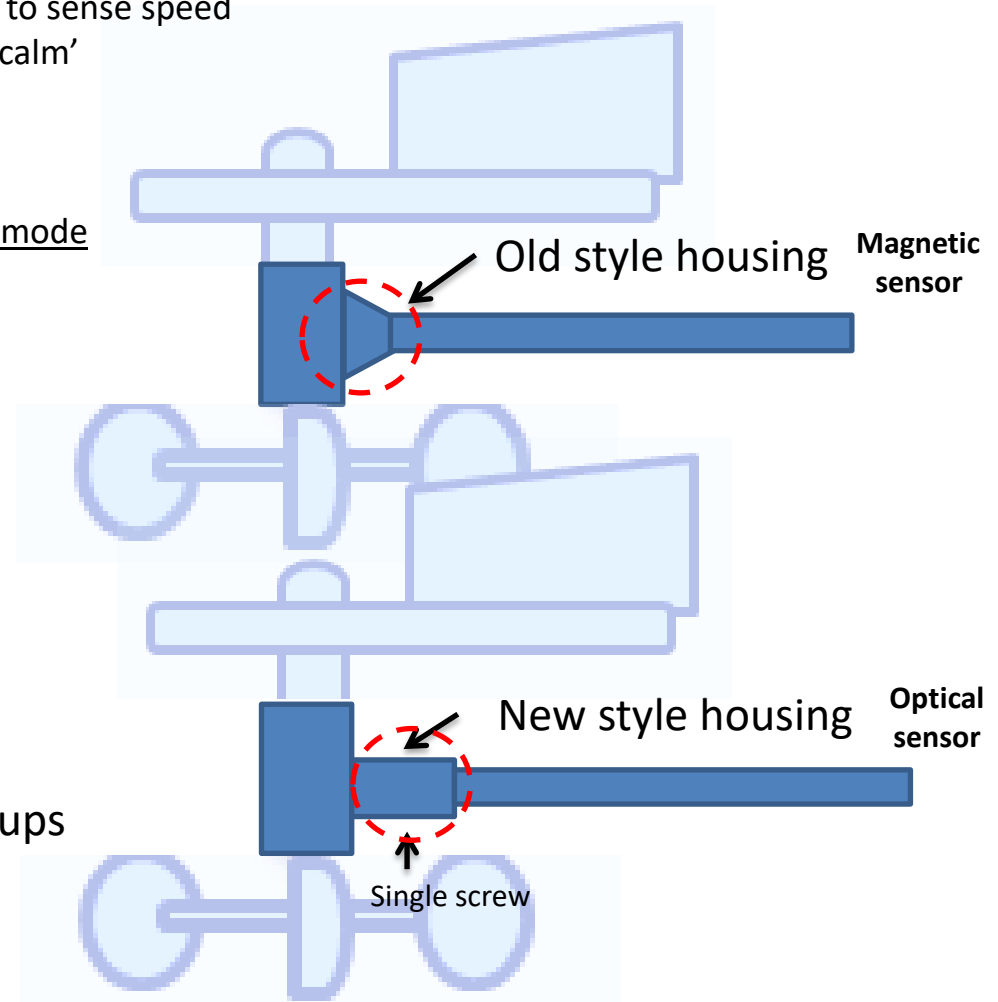
- *May wear out*
- *Will not wear out*

- Old style wind sensors
 - Relies on a magnet in rotating wind cup to sense speed
 - *May eventually fail* – always calls 'wind calm'
- New style wind sensor
 - Optical – direct replacement
 - Eliminates magnetic pickup – no failure mode



Old style
Magnet in cups

New style
No magnet in cups



Replacement / Upgrade Options:

1. Replace wind cups *only*

Davis Instruments – Buy Direct

Pre 2003 [7903L Small cups](#)

Post 2003 [7905L Large cups](#)

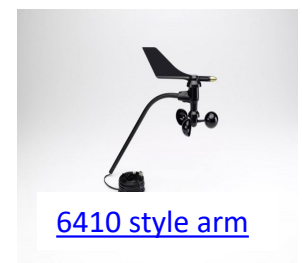


2. Replace early magnetic with new style optical anemometer

**Drip rings integrated into housing * Extremely long life
NIST certified * Trimmed to size * Pre-aligned * Pre-calibrated**

Order [Wind Sensor Replacement](#)

**Please visually confirm
your current anemometer style
before ordering**



Contact Potomac Aviation Technology +1 202 575 5700 USA