

Calibration Report: Wind Sensor

S/N: WM164720

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Summary

Calibration date: 2018 Sep 24

Next Calibration date: As needed

A collection, analysis, and calibration of data from a Wind Sensor, S/N: WM164720 has been completed. R.M. Young, Inc., the manufacturer of the instrument, performed the calibration. The data was collected by R.M. Young on 2018 September 24.

Model: 05108-45-5 Wind Monitor (R.M. Young)

Serial Number: WM164720

The test data presented in graphical format show the sensor to be within +/- 2 degrees in determining wind direction and azimuth. The report also states the wind sensor to be within +/- 0.3 m/s.

The following pages provide more detail into the calibration process and results.

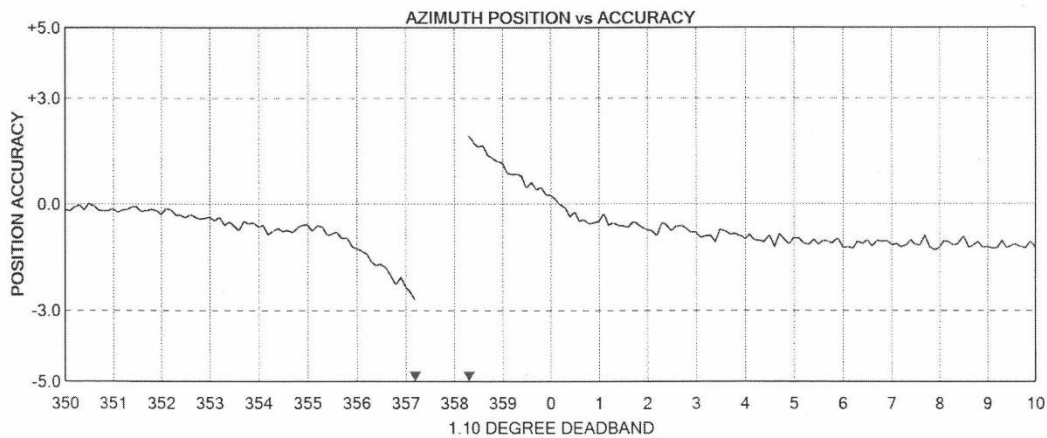
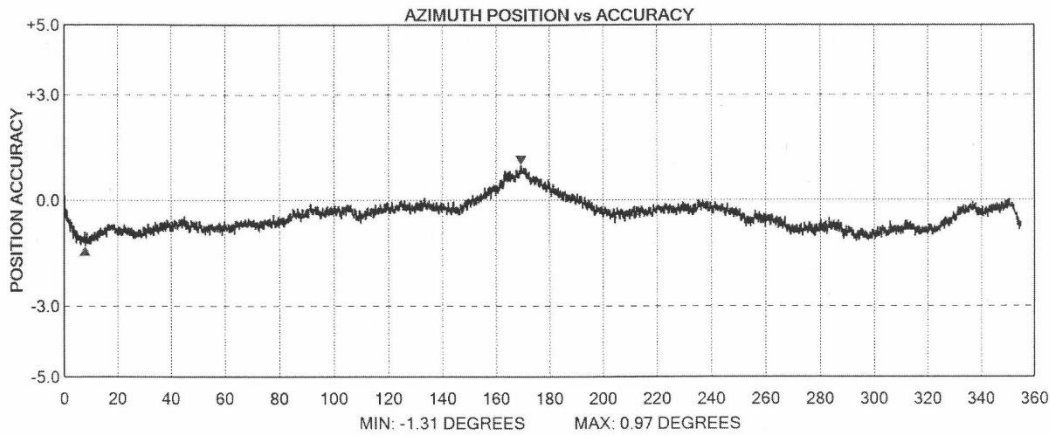
Application: Standard Campbell data logger program for R.M. Young wind sensor.



R. M. YOUNG COMPANY WIND SENSOR CALIBRATION CERTIFICATE

SENSOR: 05108-45-5 WIND MONITOR - HD
SENSOR SERIAL NUMBER: WM164720
BEARINGS: CERAMIC
DATE: SEPTEMBER 24, 2018
WIND SPEED THRESHOLD: PASS
LOW WIND SPEED AMPLITUDE/FREQUENCY TEST: PASS
HIGH WIND SPEED AMPLITUDE/FREQUENCY TEST: PASS
VANE TORQUE TEST: PASS
SPECIAL NOTES:

Inspected By: TH



NOTE: Azimuth Position vs Accuracy graphs are accurate to within 0.5 degrees. The accuracy shown in the potentiometer deadband region between 355 and 0 degrees is the result of no resistance change while position changes. The gap represents the actual deadband (open circuit).

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