

# Calibration Report: Wind Sensor s/n 19659

## ECN: n/a

1 February 1995

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### SUMMARY

Calibration date: 1 February 1995. Next calibration due: 1 February 1997.

A collection, analysis and calibration of data from a Wind Sensor instrument, s/n 19659, has been completed. The calibration was performed by the Wind Sensor manufacturer., R.M. Young, Inc. These data were collected by R.M. Young on 1 Feb. 1995.

Model : 05103

Serial Number : 19659

The test data presented in graphical format show the sensor to be within a +/-3 degrees in determining wind direction, azimuth. The report states that the sensor is within +/- 3 m/s.

Application:

Standard Campbell Data logger program for R.M. Young.

**R. M. YOUNG COMPANY WIND SENSOR CALIBRATION CERTIFICATE**

**SENSOR: 05103-5 WIND MONITOR**  
**SENSOR SERIAL NUMBER: 19659**

**BEARINGS: SEALED/GREASE LUBE**

**DATE: FEB 1 1995**

**WIND SPEED THRESHOLD TEST: PASS**

**LOW WIND SPEED AMPLITUDE/FREQUENCY TEST: PASS**

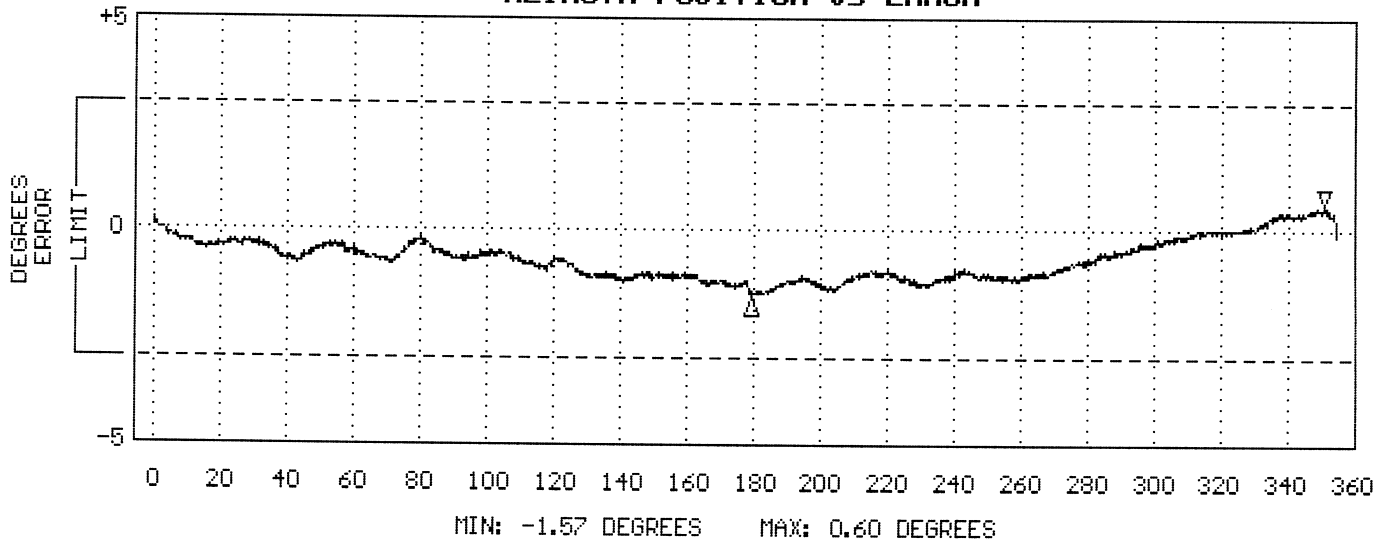
**HIGH WIND SPEED AMPLITUDE/FREQUENCY TEST: PASS**

**VANE TORQUE TEST: PASS**

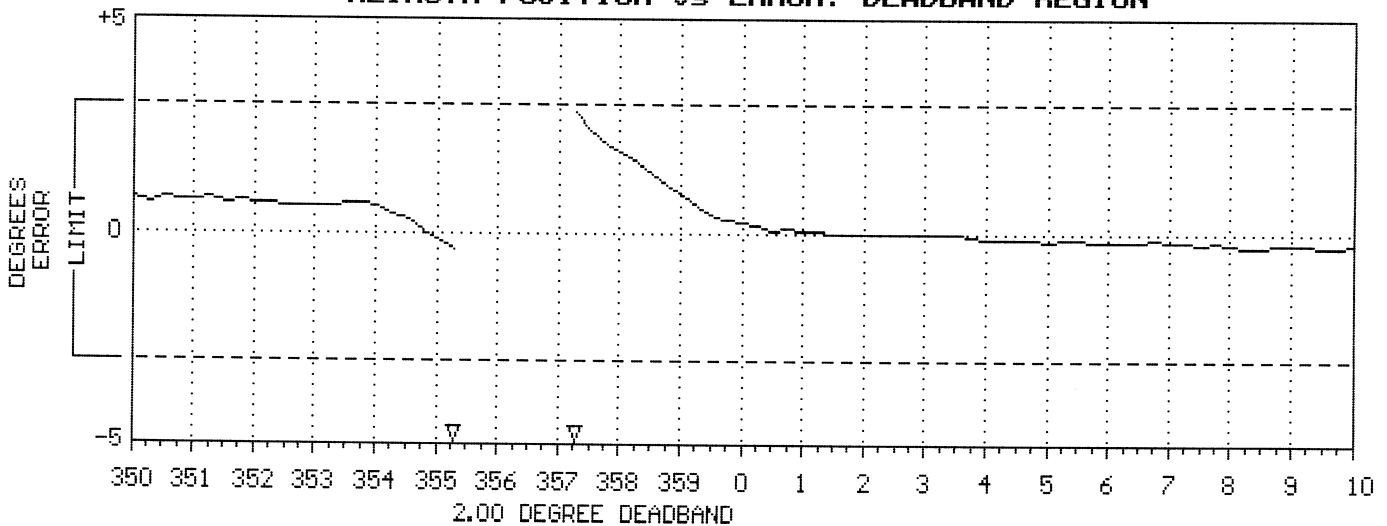
**SPECIAL NOTES:**

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**AZIMUTH POSITION vs ERROR**



**AZIMUTH POSITION vs ERROR: DEADBAND REGION**



NOTE: Azimuth Position vs Error graphs are accurate to within 0.5 degrees. The error 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).