



R.M. Young Company
 2801 Aero Park Drive
 Traverse City, Michigan 49686 USA

CALIBRATION REPORT
Temperature

Customer: **NOAA**

Test Number: 2068-06T

Test Date: 7 December 2012

Customer PO: (G Streeter)

Sales Order: 3024

Test Sensor:
 Model: 41372VC Serial Number: *TS12767*
 Description: Temperature/Relative Humidity Sensor

Report of calibration comparison of test temperature sensor with National Institute of Standards and Technology traceable standard thermometers at three temperatures in the R.M. Young Company controlled temperature calibration bath facilities. Calibration accuracy + 0.1° Celsius.

<u>Bath Temperature (degrees C)</u>	<u>Voltage Output (millivolts)</u>	<u>Indicated (1) Temperature (degrees C)</u>
-49.81	1.8	-49.82
0.03	500.3	0.03
50.04	1000.4	50.04

(1) Calculated from voltage output

All reference equipment used in this calibration procedure have been tested by comparison to traceable standards certified by the National Institute of Standards and Technology.

<u>Reference Instrument</u>	<u>Serial #</u>	<u>NIST Test Reference</u>
Brooklyn Thermometer Model 43-FC	3006-18	4026644
Brooklyn Thermometer Model 22332-D5-FC	25071	4026798
Brooklyn Thermometer Model 2X400-D7-FC	77532	4026745
Keithley Multimeter Model 191	15232	3956235

Tested By: *ECherny*



R.M. Young Company
 2801 Aero Park Drive
 Traverse City, Michigan 49686 USA

CALIBRATION REPORT
Relative Humidity

Customer: **NOAA**

Test Number: 2068-06R
 Test Date: 7 December 2012

Customer PO: (G Streeter)
 Sales Order: 3024

Test Sensor:
 Model: 41372VC Serial Number: TS12767
 Description: Temperature/Relative Humidity Sensor

Report of calibration comparison of test relative humidity sensor with National Institute of Standards and Technology traceable standard relative humidity sensor at five humidity levels in the R.M. Young Company controlled humidity chamber facility. Calibration accuracy $\pm 2.0\%$.

Reference Humidity (%)	Voltage Output (millivolts)	Indicated (1) Humidity (%)
10.0	104.0	10.4
30.0	281.0	28.1
50.0	483.0	48.3
70	679.0	67.9
90	875.0	87.5

(1) Calculated from voltage output

All reference equipment used in this calibration procedure have been tested by comparison to traceable standards certified by the National Institute of Standards and Technology.

Reference Instrument
 Vaisala Humidity Sensor Model 35AC
 Fluke Multimeter Model 8060A

Serial # NIST Test Reference
 N475040 TN 266152
 4865407 234027

Tested By: ECherny