

Calibration Report:
Wind/Rain/Pressure/Temperature/Relative Humidity
Sensor
S/N: P2930926

Lilly Grear
NASA Langley/CRAVE Intern
Hampton, Virginia

Summary

Calibration date: 2018 July 18

Next Calibration date: As needed

A collection, analysis, and calibration of data from a Weather Transmitter (Wind/Rain/Pressure/Temp/RH), S/N: P2930926 has been completed. Vaisala Inc., the manufacturer of the instrument, performed the calibration. The data was collected by Vaisala on 2018 July 18.

Model: WXT536

Serial Number: P2930926

The test data in data table format display the Wind/Rain/Pressure/Temp/RH transmitter readings (lower limit, upper limit, and result). Further test results can be found on the test report below.

Application: The Wind/Rain/Pressure/Temp/RH sensors is read by a Campbell Scientific data logger that collects raw voltage data. Any correction is applied during processing of raw data.

TEST REPORT

Product family WXT530 series
Product type WXT536
Order code 6B1B2A4B1A1B
Serial number P2930926
Manufacturer Vaisala Oyj, Finland
Test date 18 July 2018

This test report certifies that the product was thoroughly tested and inspected, and found to meet its published test limits when it was shipped from Vaisala.

Test results

Test	Result	Lower limit	Upper limit	Unit
Rain response	376	345	575	mV
Zero wind speed	0	0	0.4	m/s
Pressure difference	-0.25	-1	1	hPa
Temperature difference	-0.19	-2	2	°C
Humidity difference	0.57	-10	10	%RH
Heating current	0.73	0.6	0.8	A
Current (service port)	0.97	0.5	2	mA
Communication (service port)	pass	PASS	PASS	-
Current (main port)	0.63	0.5	2	mA
Communication (main port)	pass	PASS	PASS	-

Ambient conditions / Humidity 46.71 ±5 %RH, Temperature 24.19 ±1 °C, Pressure 1010.04 ±1 hPa.

Signature

Technician

This report shall not be reproduced except in full, without the written approval of Vaisala. DOC233154-A.doc