

CALIBRATION SHEET

Instrument
Serial number
Manufacturer
Test date

WXTPTU
N4820059
Vaisala Oyj, Finland
25th January 2018

*Installed in
STBD Vaisala
9 March 2018
JMS*

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

Vaisala S/N D0220001

Calibration results

Test phase of calibration process	Reference value	Observed value	Error*	Uncertainty**
Pressure	1082.3 hPa	1082.3 hPa	0.0 hPa	± 0.4 hPa
Pressure	900.7 hPa	900.7 hPa	0.0 hPa	± 0.4 hPa
Pressure	800.0 hPa	800.1 hPa	0.1 hPa	± 0.4 hPa
Pressure	596.7 hPa	596.7 hPa	0.0 hPa	± 0.4 hPa
Temperature	59.8 °C	59.8 °C	0.0 °C	± 0.2 °C
Temperature	24.8 °C	24.8 °C	0.0 °C	± 0.2 °C
Temperature	-5.7 °C	-5.7 °C	0.0 °C	± 0.2 °C
Temperature	-32.4 °C	-32.4 °C	0.0 °C	± 0.2 °C
Temperature	-51.9 °C	-51.9 °C	0.0 °C	± 0.2 °C
Relative humidity	29.5 %RH	29.5 %RH	0.0 %RH	± 2 %RH
Relative humidity	57.3 %RH	57.3 %RH	0.0 %RH	± 2 %RH
Relative humidity	90.6 %RH	90.6 %RH	0.0 %RH	± 3 %RH

*The test points for error values are polynomial fitting curve fitting points.

**The calibration uncertainty given at 95 % confidence level, k = 2

Traceability

The working standards for pressure and temperature are calibrated at Vaisala Measurement Standards Laboratory (MSL) by using MSL working standards traceable to National Institute of Standards and Technology (NIST, USA). The relative humidity values are calculated from measured temperature and dew-point temperature values. The dew-point working standards are traceable to the Finnish National Humidity Laboratory (MIKES).

Signature

[Signature]
Technician

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