

CALIBRATION SHEET

STBD

Instrument WXTPTU
Serial number L1750053
Manufacturer Vaisala Oyj, Finland
Test date 20th May 2015

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.

Calibration results

Test phase of calibration process	Reference value	Observed value	Error*	Uncertainty**
Pressure	1078.9 hPa	1078.9 hPa	0.0 hPa	± 0.4 hPa
Pressure	898.8 hPa	898.8 hPa	0.0 hPa	± 0.4 hPa
Pressure	798.4 hPa	798.4 hPa	0.0 hPa	± 0.4 hPa
Pressure	600.3 hPa	600.3 hPa	0.0 hPa	± 0.4 hPa
Temperature	59.7 °C	59.7 °C	0.0 °C	± 0.2 °C
Temperature	24.8 °C	24.8 °C	0.0 °C	± 0.2 °C
Temperature	-5.6 °C	-5.6 °C	0.0 °C	± 0.2 °C
Temperature	-32.5 °C	-32.5 °C	0.0 °C	± 0.2 °C
Temperature	-51.9 °C	-51.9 °C	0.0 °C	± 0.2 °C
Relative humidity	29.9 %RH	29.9 %RH	0.0 %RH	± 2 %RH
Relative humidity	59.3 %RH	59.3 %RH	0.0 %RH	± 2 %RH
Relative humidity	91.4 %RH	91.4 %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



Technician

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