

Port
Unit 5/1
E0110003

Calibration sheet no. H31-19090010

CALIBRATION SHEET

Instrument WXTPTU
Serial number R0410031
Manufacturer Vaisala Oyj, Finland
Test date 26th February 2019

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	1083.3 hPa	1083.3 hPa	0.0 hPa	± 0.4 hPa
Pressure	896.7 hPa	896.7 hPa	0.0 hPa	± 0.4 hPa
Pressure	796.6 hPa	796.6 hPa	0.0 hPa	± 0.4 hPa
Pressure	599.1 hPa	599.1 hPa	0.0 hPa	± 0.4 hPa
Temperature	59.7 °C	59.7 °C	0.0 °C	± 0.2 °C
Temperature	24.7 °C	24.7 °C	0.0 °C	± 0.2 °C
Temperature	-5.7 °C	-5.7 °C	0.0 °C	± 0.2 °C
Temperature	-32.6 °C	-32.7 °C	-0.1 °C	± 0.2 °C
Temperature	-52.0 °C	-52.0 °C	0.0 °C	± 0.2 °C
Relative humidity	29.6 %RH	29.6 %RH	0.0 %RH	± 2 %RH
Relative humidity	57.6 %RH	57.6 %RH	0.0 %RH	± 2 %RH
Relative humidity	91.5 %RH	91.5 %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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CALIBRATION SHEET

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Serial number R0410032
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Test date 26th February 2019

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Calibration results

Test phase of calibration process	Reference value	Observed value	Error*	Uncertainty**
Pressure	1083.4 hPa	1083.3 hPa	-0.1 hPa	± 0.4 hPa
Pressure	896.7 hPa	896.7 hPa	0.0 hPa	± 0.4 hPa
Pressure	796.6 hPa	796.6 hPa	0.0 hPa	± 0.4 hPa
Pressure	599.1 hPa	599.1 hPa	0.0 hPa	± 0.4 hPa
Temperature	59.7 °C	59.7 °C	0.0 °C	± 0.2 °C
Temperature	24.7 °C	24.7 °C	0.0 °C	± 0.2 °C
Temperature	-5.7 °C	-5.7 °C	0.0 °C	± 0.2 °C
Temperature	-32.6 °C	-32.7 °C	-0.1 °C	± 0.2 °C
Temperature	-52.0 °C	-52.0 °C	0.0 °C	± 0.2 °C
Relative humidity	29.6 %RH	29.6 %RH	0.0 %RH	± 2 %RH
Relative humidity	57.6 %RH	57.6 %RH	0.0 %RH	± 2 %RH
Relative humidity	91.5 %RH	91.5 %RH	0.0 %RH	± 3 %RH

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

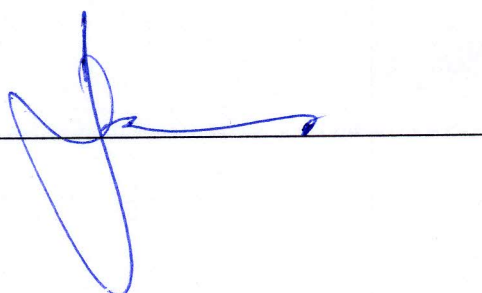
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