

Calibration Certificate

Certificate Number: K008-1026590
Customer: Vaisala Oyj
 Box26
 00421 Helsinki
 Finland
Manufacturer: Vaisala Oyj
Instrument: VL-1416-44V Temperature Logger
Serial Number: 16141037

Page 1 (1)

The external temperature sensor(s) of the above described temperature logger were calibrated by comparing the logger readings to a reference thermometer in Vaisala Measurement Standards Laboratory (MSL).
 The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95 %.
 Traceable to the National Institute of Standards and Technology (NIST, USA) via MSL.

Measurement results after adjustment:

Reference		Channel 1				Channel 2				
Temperature	Observed	Error	Uncertainty	Limit	Pass/Fail	Observed	Error	Uncertainty	Limit	Pass/Fail
°C	°C	°C	°C	°C		°C	°C	°C	°C	
-90.01	-90.01	0.00	0.09	±0.25	Pass	-90.01	0.00	0.09	±0.25	Pass
-55.00	-55.00	0.00	0.06	±0.25	Pass	-55.00	0.00	0.06	±0.25	Pass
-20.00	-20.00	0.00	0.05	±0.25	Pass	-20.00	0.00	0.05	±0.25	Pass
15.00	15.00	0.00	0.05	±0.25	Pass	15.00	0.00	0.05	±0.25	Pass
50.00	50.00	0.00	0.07	±0.25	Pass	50.00	0.00	0.07	±0.25	Pass

Reference		Channel 3				Channel 4				
Temperature	Observed	Error	Uncertainty	Limit	Pass/Fail	Observed	Error	Uncertainty	Limit	Pass/Fail
°C	°C	°C	°C	°C		°C	°C	°C	°C	
-90.01	-90.01	0.00	0.09	±0.25	Pass	-90.01	0.00	0.09	±0.25	Pass
-55.00	-55.00	0.00	0.06	±0.25	Pass	-55.00	0.00	0.06	±0.25	Pass
-20.00	-20.00	0.00	0.05	±0.25	Pass	-20.00	0.00	0.05	±0.25	Pass
15.00	15.00	0.00	0.05	±0.25	Pass	15.00	0.00	0.05	±0.25	Pass
50.00	50.00	0.00	0.07	±0.25	Pass	50.00	0.00	0.07	±0.25	Pass

Reference(s):	Serial Number	Calibration Date	Certificate	Next Calibration
Fluke 1560/2560	TP 14277/2	2016-02-05	K008-Z00352	2017-02-28

Note(s):

This is new instrument without before adjustment data

Calibration Date: April 14, 2016 **Next Calibration:** April 14, 2017

Date: April 15, 2016

Signature: 
 Susanna Heikkilä
 Calibration Technician

Ambient Condition(s):

22.8 °C ±0.2 °C
 32.5 %RH ±1.4 %RH
 1004.1 hPa ±0.6 hPa

Digitally signed by SHEI
 Date: 2016.04.15 10:15:04 +03:00
 Reason: Calibration responsible
 Location: Vaisala Oyj