

Calibration Certificate

Certificate Number: H73-1010391

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Manufacturer: Vaisala Oyj
Instrument: MR-1416-44V Temperature Logger
Serial Number: 14331062

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		
-55.0	-55.0	0.0	0.1	±0.5	Pass	-55.0	0.0	0.1	±0.5	Pass	
25.0	25.0	0.0	0.1	±0.5	Pass	25.0	0.0	0.1	±0.5	Pass	
50.0	50.0	0.0	0.1	±0.5	Pass	49.9	-0.1	0.1	±0.5	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		
-55.0	-55.0	0.0	0.1	±0.5	Pass	-55.0	0.0	0.1	±0.5	Pass	
25.0	25.0	0.0	0.1	±0.5	Pass	25.0	0.0	0.1	±0.5	Pass	
50.0	49.9	-0.1	0.1	±0.5	Pass	49.9	-0.1	0.1	±0.5	Pass	

Reference(s):	Serial Number	Calibration Date	Certificate	Next Calibration
Fluke 1560/2560	TP 14273/2	2014-04-02	K008-X00711	2014-10-31


Note(s):

This is new instrument without before adjustment data

Calibration Date: September 25, 2014 **Next Calibration:** September 25, 2015

Date: September 30, 2014

Signature:


 Digitally signed by AVP
 Date: 2014.09.30 13:16:00 +03:00
 Reason: Calibration responsible
 Location: Vaisala Oyj
 Antero Pitkääkoski
 Development Manager

Ambient Condition(s):

22.6 °C ±0.4 °C
 37.2 %RH ±1.4 %RH
 1002.0 hPa ±0.6 hPa