

Manufacturer's Certificate of Validation

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tempmate GmbH certifies that the products mentioned on the following page(s) have been thoroughly tested, validated and met performance accuracy specifications over the stated ranges.

Reference Instrumentation

Model	Calibration Date	Accuracy	Serial Number	CNAS Certificate Number
XORTS-120A	May 17,2024	$\pm 0.01^{\circ}\text{C}$	160408-1	24RG818273832
YH-80A	May 17,2024	$\pm 0.015^{\circ}\text{C}$	21031001	24RG818273831
C4-180Pro	May 17,2024	$\pm 1\%\text{RH}$	54260019170010	24RG818273834

All reference instruments are traceable calibrated by CNAS accredited laboratories.

Environment Conditions

Air Temperature	25.5°C	Relative Humidity	53.0%RH
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Validation Information

Validation Points	Tolerance	Result	Validation Points	Tolerance	Result
+60°C	$\pm 0.5^{\circ}\text{C}$	PASS	70%RH	$\pm 3\%\text{RH}$	PASS
+40°C	$\pm 0.3^{\circ}\text{C}$	PASS	60%RH	$\pm 3\%\text{RH}$	PASS
+25°C	$\pm 0.3^{\circ}\text{C}$	PASS	50%RH	$\pm 3\%\text{RH}$	PASS
0°C	$\pm 0.3^{\circ}\text{C}$	PASS	40%RH	$\pm 3\%\text{RH}$	PASS
-5°C	$\pm 0.3^{\circ}\text{C}$	PASS	30%RH	$\pm 3\%\text{RH}$	PASS
-25°C	$\pm 0.5^{\circ}\text{C}$	PASS	20%RH	$\pm 3\%\text{RH}$	PASS

Temp Accuracy $\pm 0.3^{\circ}\text{C}$ (-20 to 40°C) $\pm 0.5^{\circ}\text{C}$ (Others)

Hum Accuracy 20~80%RH(25°C: $\pm 3\%\text{RH}$) Others $\pm 5\%\text{RH}$

Product Information

Product Name	Serial Number	Production Date
tempmate -M2TH	M2H250500112	05/2025

This certificate was automatically generated and is valid without signature for two years.

The calibration of the digital sensor is valid for 2 years from the date of production, considering the device is handled/stored under recommended conditions. V06/2022