

Certificate # : 202409763

Issue Date : 21-Jul-24

Asset Number : GCS054036

CUSTOMER INFORMATION

Customer Name : Homeland Security Trading Est.

Address : Al Murabaa, Riyadh , K.S.A

UUT INFORMATION

Description : Temperature Humidity Meter

Manufacturer : Fluke

Model : 971

Range : N/A

Received Date : 09-Jul-24

Serial Number : 63320937

ID Number : N/A

UUT Location : N/A

CALIBRATION INFORMATION

Calibration Date : 17-Jul-24

Due Date : 17-Jul-25

Procedure Used : Temperature and Humidity
Measuring Instruments, CP/TMP/06

Result Type : As Found

Amb.Temperature : 23 ± 5°C

Relative Humidity : 20 to 60 %RH

Cal Site : GCS Riyadh

TRACEABILITY INFORMATION

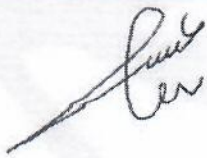
Measurements are traceable to the SI Units (International System of Units) via national or international laboratories. The estimated expanded uncertainty (if specified) of measurement to be associated with the results is calculated at a confidence level of approximately 95% with a coverage factor of $k = 2$.

REMARKS / DEVIATIONS IF ANY

1. The measurement results are given on the attached sheet(s). The page numbers may be numbered separately.
2. This calibration certificate applies only to the item identified and shall not be reproduced except in full without the approval by **GCS**.
3. The described instrument has been calibrated under the ambient conditions stated above.
4. UUT meets manufacturer's specification.
5. The UUT was received in good condition.
6. Pass/Fail decisions "if any" are based on acceptance limits chosen based on simple acceptance ($w=0$, $AL= TL$).

Standards Used

Asset #	Description	Due Date	Certificate #	Traceability
100300698	Thermohygrometer	17-Oct-24	202316253	GCS RD
100300731	Reference Thermometer	02-Nov-24	202316370	GCS RD
100300732	RTD Probe	02-Nov-24	202316371	GCS RD

Asset # of UUT	Authorized By	
 GCS054036	 Eng. Abdullah Saeed	

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Page 2 of 2

<u>NOMINAL READING</u>		<u>UUT READING</u>		<u>ERROR</u>		<u>TOLERANCE (±)</u>		<u>EXPANDED UNCERTAINTY (±)</u>	
Temperature Test									
20.093	°C	20.2	°C	0.107	°C	0.5	°C	0.27	°C
24.856	°C	25.0	°C	0.144	°C	0.5	°C	0.27	°C
29.828	°C	29.7	°C	-0.128	°C	0.5	°C	0.27	°C
Humidity Test									
29.9	%RH	29.4	%RH	-0.5	%RH	2.5	%RH	0.92	%RH
51.7	%RH	51.3	%RH	-0.4	%RH	2.5	%RH	1.5	%RH
70.6	%RH	69.6	%RH	-1.0	%RH	2.5	%RH	1.5	%RH

*Specified Limits are derived from the manufacturer specification.

*User must verify the acceptability of UUT for the intended use.

***** End of Results *****