

Test Report / Environmental Test Report

0. REPORT INFORMATION

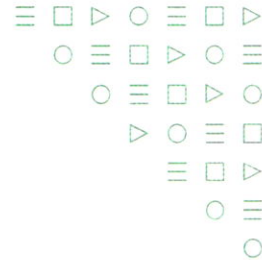
Item	Description
Report No.	KMH-225-INT-001
Date	14 / 4 / 2026
Revision	1.0
Equipment	KOMEG KMH-225 Climate Chamber
Location	A-Elektronik d.o.o.

1. TEST SUMMARY

Item	Description
Test Project Name	KMH-225 Functional Environmental Test
Result	PASS
Test Units	1 unit
Reported by	BRANKA BLAGOŠEVIĆ IUG. <i>Branka Blagošević</i>
Test Phase	Internal Verification (Pre-Sale Test)
Approved	MARCO BOROŠAK <i>[Signature]</i>

A-ELEKTRONIK
 d.o.o.
 Hinka Würtha 12, ZAGREB





2. TEST PURPOSE

Description
To determine the suitability and functional performance of the climatic chamber under conditions of high temperature, low temperature, humidity, and cyclic thermal stress during internal verification testing.

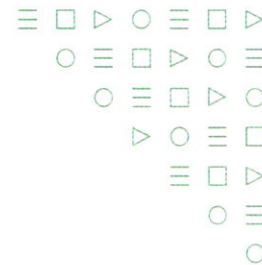
3. REFERENCE DOCUMENT

Standard
Internal Test Procedure (A-Elektronik d.o.o.)

4. TEST CONDITIONS

Parameter	Value
High Temperature	+150 °C
Low Temperature	-45 °C
Heating Time	27 minutes
Cooling Time	1 h 40 min
High Temp Soak	6 hours
Low Temp Soak	18 hours
Humidity Test	60 °C / 70 % RH
Humidity Duration	2 hours





5. TEST EQUIPMENT

No.	Equipment Description
1	KOMEG Climatic Chamber KMH-225
2	Temperature Range: -45 °C to +150 °C (nameplate)
3	Humidity Control System (integrated)
4	Fluke Reference Thermometer – Fluke 561 IR Termometar (verification measurement)
5	Internal Data Logging System of Chamber

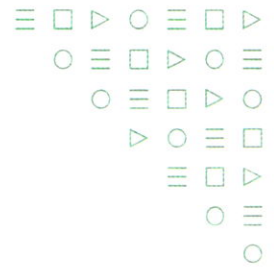
6. TEST PROCEDURE SUMMARY

Step	Description
1	Heating from ambient temperature to +150 °C
2	Cooling from +150 °C to -45 °C
3	6-hour stabilization at +150 °C
4	18-hour stabilization at -45 °C
5	Humidity test at 60 °C / 70 % RH for 2 hours
6	Continuous monitoring using Fluke reference instrument and internal logging system

7. TEST RESULTS

Test Item	Result
Heating Performance	PASS – 150 °C reached in 27 min
Cooling Performance	PASS – -45 °C reached in 1 h 40 min
High Temperature Hold	PASS – stable for 6 hours





Low Temperature Hold	PASS – stable for 18 hours
Humidity Function	PASS – stable operation at 60 °C / 70 % RH

8. FINAL INSPECTION

Check Type	Result
Appearance Check	No visible damage
Function Check	Normal operation
Error Log Check	No errors recorded

9. CONCLUSION

PASS

The tested climatic chamber demonstrates normal and stable operation under all tested environmental conditions including high temperature, low temperature, and humidity cycles.

No visible defects or functional deviations were observed during or after testing.

The equipment is considered **functionally suitable at the time of testing**.

10. REMARK

This report is based on internal functional testing performed by A-Elektronik d.o.o. and reflects the condition of the equipment at the time of inspection only.

