

TEST CERTIFICATE No. 164/08/2017

1. Model No: AR236/1
2. Description: Temperature and humidity recorder
3. Serial No: 110145302
4. Manufacturer: APAR
5. User:

6. General specification:

- measurement range: temperature -20...+70°C humidity 0...100%RH
- measurement resolution: temperature 0,1°C humidity 0,1%RH
- measurement accuracy: +/- 0,5°C (20...30°C)
+/- 0,5...1,8°C in the remaining measurement range
+/- 3%RH (20...80%RH)
+/- 3..5%RH in the remaining measurement range
hysteresis +/-1%RH

7. Range of testing: Correctness of measurements and functions and parameters according to customer order and manufacturer's instruction.

8. Method of testing: Comparison of measured value of tested instrument with reference value.

Verification tests are carried out using APAR's standard equipment:

No	Equipment descr.	Model	Serial No
1	climatic chamber	WKL 100/40	56246011170010
2	temp. i humidity meter	Rotronic HP22-A + HC2-IC102	61641176
3	calibrator	SIKA MC-50	000247
4	multimeter	Keysight 34460A	MY53102073
5	multimeter	Keysight 34460A	MY53102217
6	calibrator	CP6632	0407QR09 0610 A
7	calibrator	CP6632	0407QR09 0638 A
8	calibrator	TC6621	2306PQ200066A
9	decade resistor	MDR 93/2-6aa	16-012
10	decade resistor	MDR 93/2-6aa	16-013
11	function generator	VOLTCRAFT 8210	15080140

9. Test report:

Reference value		Measured value		Error measured value		Uncertainty of ref. value		Permissible measurement error	
°C	%RH	°C	%RH	°C	%RH	°C	%RH	°C	%RH
25,1	50,0	25,5	52,8	0,4	2,8	≤ 0,3	≤ 3	≤ 0,8	≤ 7

The permissible measurement error is equal to the sum of the errors of the device and reference value.

10. Environmental conditions in the laboratory:

temperature 26,5°C, humidity: 59,5% RH

11. Environmental conditions for tested device:

such as in the lab/ in accordance with test report

12. Declaration of conformity:

Based on the carried out tests and test report the instrument fulfills the declared parameters.

13. Tested features: Correct measurements.

14. Recommendations for next testing:

If the user schedule does not provide otherwise, then the next test is recommended to perform within 12 months of the last check or in case of device damage.

15. Date of testing:

03-08-2017

16. Date of issue of the certificate:

03-08-2017

17. Quality control:

Andrzej Nowak



stamp and signature