

ISO-9001 Certified
Industrial Automation with PCs
ADVANTECH CO., LTD.

QA Test Report

ADAM-4012, ADAM-4013

ADAM-4021, ADAM-4510

ADAM-4520

(Temp. / Humi. Test)

Report No : 96TD033

Issue Stamp

**Manager of QA
Department**

Approval

Test Engineer

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1). Testing Date :

12-16-1996

2). Configuration :

Configuration	Model	S/N
Remote Sensor to Computer Interface Modules	ADAM-4012	M96B2412
		M96B2433
	ADAM-4013	M96B3805
		M96B3782
	ADAM-4021	M96B4589
		M96B4618
	ADAM-4510	M96B2656
ADAM-4520	M96B4322	

3). Quantity :

ADAM-4012 : 2 pcs ; ADAM-4013 : 2 pcs

ADAM-4021 : 2 pcs ; ADAM-4510 : 1 pcs

ADAM-4520 : 1 pcs

4). Testing Item :

Temperature and Humidity Test --- Non-Packaged, With Voltage

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5). Additional Test Peripheral :

Configuration	Model	S/N
Backplane	PCA-6114 P3	I9650376
CPU Card	PCA-6144V Rev.A1	C9646000
CPU	Cyrix DX2-66	
RAM	SIEMENS HYB514400BJ-70	9615
Powersupply	Seasonic SSH-250G	B05017694
FDD	TEAC FD-235HF	7597886
Keyboard	PCA-6301C	600074355
Display	IPC-651M	96322996
Software	ADAM Setup / Utility Software	
Rs-485/Rs-232	ADAM-4520	L9678350

6). Testing Equipment :

i Programmable Temperature & Humidity Chamber


GIANT FORCE CO., LTD.

Model : GTH-408-40-1P

S/N : GF-95791-1

Date of Calibration : 04-18-1996

7). Testing Standard :

Select	NO.	Description
	IEC68-2-61	Test Z/ABDM : Climatic sequence
	IEC68-2-6	Test Fc : Vibration sinusoidal
	IEC68-2-37	Test Fdc : Random vibration wide band-Reproducibility low
	IEC68-2-32	Test Ed:Free Fall

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8). Testing Setup :

Step	Duration	Set Value			Power On/Off	
1	00:00 TO 02:30	Temp	25℃ J	RH	50℃ H	On
2	02:30 TO 03:00	Temp	25℃ J	RH	50℃ H	On
3	03:00 TO 19:30	Temp	70℃ J	RH	30℃ H	On
4	19:30 TO 20:00	Temp	70℃ J	RH	30℃ H	On
5	20:00 TO 23:30	Temp	25℃ J	RH	50%	On
6	23:30 TO 24:00	Temp	25℃ J	RH	50%	On
7	24:00 TO 26:30	Temp	25℃ J	RH	95%	On
8	26:30 TO 35:30	Temp	70℃ J	RH	95%	On
9	35:30 TO 38:30	Temp	70℃ J	RH	95%	On
10	38:30 TO 48:00	Temp	25℃ J	RH	95%	On
11	48:00 TO 52:00	Temp	25℃ J	RH	95%	On
12	52:00 TO 52:30	Temp	25℃ J	RH	50~0%	On
13	52:30 TO 69:30	Temp	-10℃ J	RH	0%	On
14	69:30 TO 70:00	Temp	10℃ J	RH	0%	On
15	70:00 TO 71:30	Temp	25℃ J	RH	50%	On
16	71:30 TO 72:00	Temp	25℃ J	RH	50%	On
17	72:00 TO 74:30	Temp	25℃ J	RH	95%	On
18	74:30 TO 83:30	Temp	70℃ J	RH	95%	On
19	83:30 TO 86:30	Temp	70℃ J	RH	95%	On
20	86:30 TO 96:00	Temp	25℃ J	RH	95%	On
21	96:00 TO 96:30	Temp	25℃ J	RH	95%	On

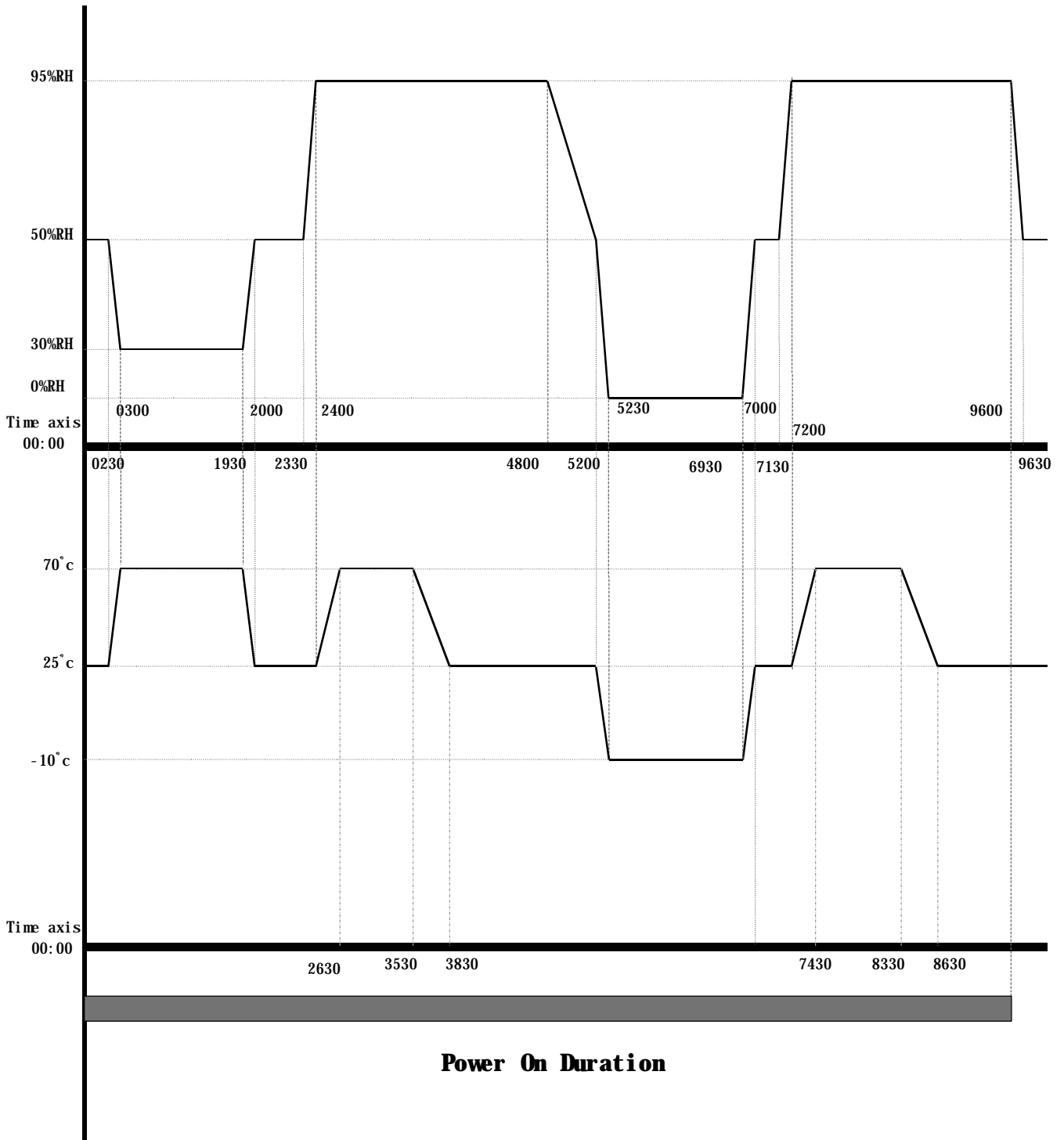
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9). Testing Curve :

START TIME : 12 / 12 , PM 09: 27



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10). Testing Result:

Standard	Description	Pass	Fail
IEC68-2-61	Test Z/ABDM	Pass	
IEC68-2-6	Test Fc		
IEC68-2-37	Test Fdc		
IEC68-2-32	Test Ed		

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*** Inspection Record**

<div style="display: flex; justify-content: space-between;"> Period Item </div>	Before Test Time: 12/12 09:12	During Test Time: 12/12 16:46	During Test Time: 12/13 09:03	During Test Time: 12/13 17:04	After Test Time: 12/12 10:47
Visual Inspect :					
1) Plastic Part	Pass				Pass
2) Structure	Pass				Pass
3) Component	Pass				Pass
4) Circiut	Pass				Pass
Software Inspect:					
1)Power On/Off	Pass	Pass	Pass	Pass	Pass
2)I/O Communication	Pass	Pass	Pass	Pass	Pass

Note :

- 1) The item will be noted with “Pass” , when it had been checked and passed at the period.
- 2) The item will be blank when it hadn’t been checked .