



Reliability Laboratory

TEST REPORT

Report No.: HCD0203/2008
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Date: December 23, 2008

WINMATE COMMUNICATION INC.
9 F, NO. 111-6, SHING-DE RD.,
SAN-CHUNG CITY, TAIPEI,
TAIWAN, R.O.C.

The following merchandise was submitted and identified by the vendor as:

Product Description: 15" Full IP65 LCD Monitor
Style/ Item No.: R15L600-65XXXX/ No. 1
Quantity: total 1 set
Testing Period: Dec. 22, 2008

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: (According to client's test specification, please see following sheets in detail.)

Test for Degrees of Protection Provided by Enclosures

IP Code	IP6X
First characteristic numeral	Degrees of protection against access to hazardous parts and against solid foreign objects
Second characteristic numeral	Omitting

Test Results: – PLEASE SEE ATTACHED SHEETS –

Terence Hsieh
Asst. Manager

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Test for Degrees of Protection Provided by Enclosures:

Test Equipment:

Name	Brand	Model	Serial No.
1.0 mm Test Wire Probe	ED&D	TRP-02	B0050180
Digital Force Gauge	ALGOL	HF-50	HF-101764
Dust Tester	T-MACHINE	TMJ-9723C	T-23-050411

Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Accroding to IEC 60529 Edition 2.1: 2001-02--IP6X

1. Test for protection against access to hazardous parts:

Test method: IEC 60529 Edition 2.1: 2001-02--IP6X

The test wire with 1.0 mm in diameter and 100 mm long is pushed against or inserted through any openings of the enclosure with the force specified in Table 6 in IEC 60529 Edition 2.1: 2001-02. Examine whether the test wire touches the hazardous live parts inside the enclosure or not.

Test force: 1 N±10 %

2. Test for protection against solid foreign objects:

Test method: IEC 60529 Edition 2.1: 2001-02--IP6X (Dust test)

Sample condition: Operating

Type of dust: Talcum powder

The amount of dust: 2 kg

The chamber size: 1 m³

The maximum depression: -20 mbar

Test duration: 8 hours

- Examine the protection against ingress of dust of specimen after this test.
- Perform functional check and performance check after this test.
- Functional check: Connect the specimen with rated power then examine whether the display function of specimen could be work normally or not.
- Performance check: Running Windows XP with stress software BCM Diagnostics Pro version 2.30.

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Specimen:

Style/ Item No.: R15L600-65XXXX/ No. 1

Quantity: Total 1 piece

Test Result:

A. Degrees of protection against access to hazardous parts and against solid foreign objects (IP6X)

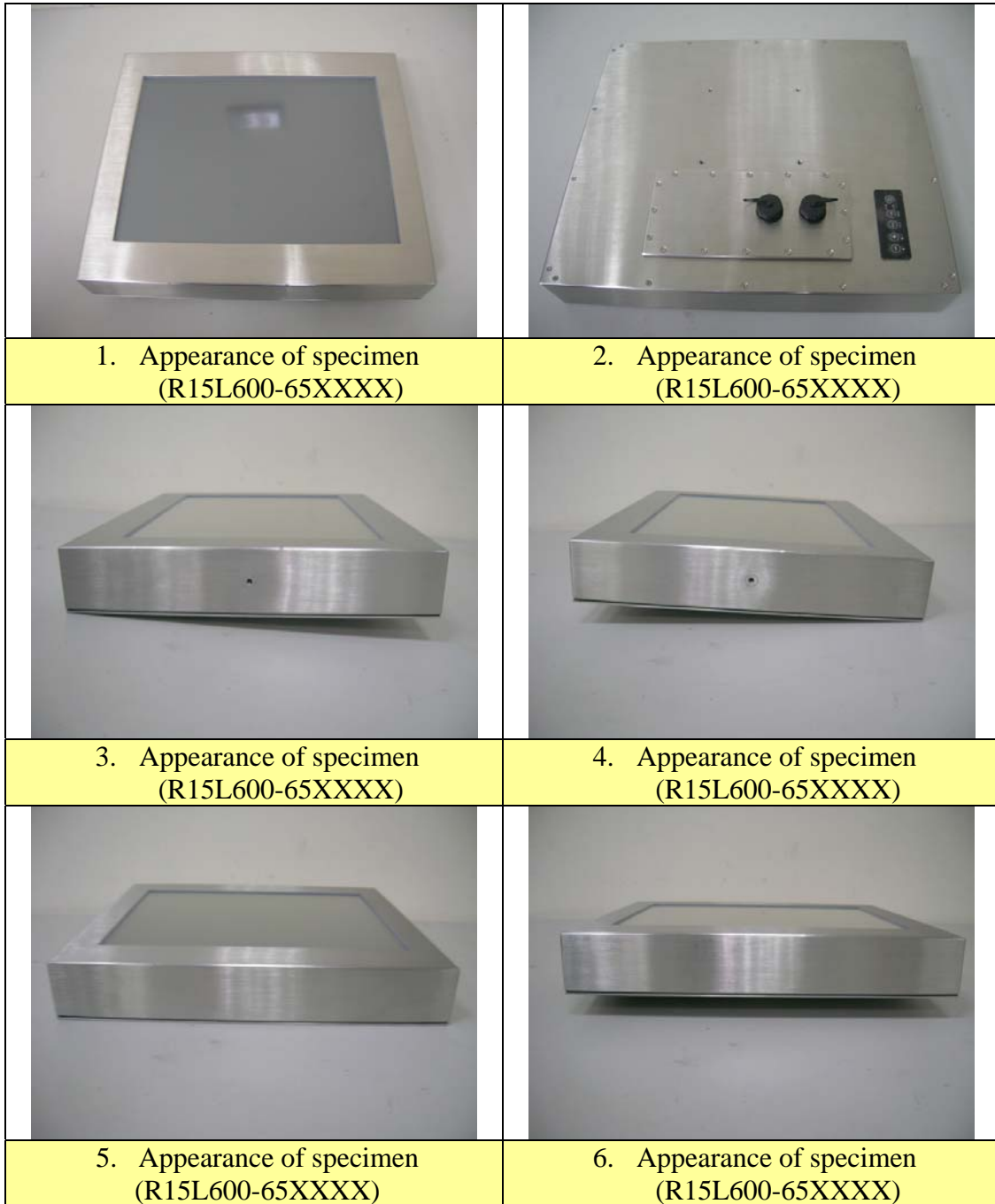
A-1 Test for protection against access to hazardous parts (IP6X)

Test Result		
Check Item		Style/ Item No.
		R15L600-65XXXX/ No. 1
1	Does the test wire penetrate any openings of the enclosure?	No
2	(followed check item 1) If the test wire penetrates any openings of the enclosure, does the test wire touch any hazardous live parts or any hazardous mechanical parts?	N/A
3	(followed check item 2) Does adequate clearance be kept between the test wire and hazardous live parts or hazardous mechanical parts?	N/A
Note 1: N/A means "Not Applicable". Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.1: 2001-02 and in accordance with the acceptance conditions specified by client.		







A-2 Test for protection against solid foreign objects (IP6X)

Test Result		
Check Item		Style/ Item No.
		R15L600-65XXXX/ No. 1
1	Does any dust deposit inside the enclosure at the end of the test?	No
2	Functional check & Performance Check	Normal
Note 1: N/A means "Not Applicable". Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.1: 2001-02 and in accordance with the acceptance conditions specified by client.		

Test Photos:



Test Photos--continued:

	
<p>7. Test for protection against access to hazardous parts</p>	<p>8. Test for protection against access to hazardous parts</p>
	
<p>9. Test for protection against solid foreign objects (Dust test)</p>	<p>10. Test for protection against solid foreign objects (Dust test)</p>
	
<p>11. Functional check</p>	<p>12. Functional check</p>

— — — **The End of Test Report** — — —