



# TEST REPORT

Rep. No. : 11-07-VAA-040  
 Applicant : Advantech Co.,Ltd.  
 Address : No.1, Alley 20, Lane 26, Rueiguang Road, Neihu  
 District, Taipei, Taiwan 114, R.O.C.  
 Commodity : IPC  
 Model : Main Model: WOP-2070T  
 Series Model: WOP-X<sub>1</sub>X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>X<sub>5</sub>(Consult Page 2)  
 Quantity : 1 set  
 Date of Receipt : Jul.12, 2011  
 Date of Testing : Jul.13, 2011  
 Test specification : IEC60529 Edition 2.1 2001-02  
 Ambient Environment : Temp. 21 ±2 °C, R.H. 64 ±1 %  
 Testing Item : IP66  
 Test condition & result : Satis factory see the following sheets

General remarks :

The test results presented in this report relate only to the object tested.  
 This report shall not be reproduced, except in full, without the written approval of the  
 Issuing testing laboratory.

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Approved by : \_\_\_\_\_  
 Vincent Lin

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**Testing Item : IP66**

**Testing Conditions :**

**IP6X:**

- (1) Maximum depression of 2kPa(20mbar).
- (2) The total duration of test is 8 hr.

**IPX6:**

- (1) Internal diameter of the nozzle: 12.5 mm.
- (2) Delivery rate: 100 l/min  $\pm$ 5%.
- (3) Distance from nozzle to enclosure surface :  
between 2.5 m and 3 m.
- (4) The duration of test is 3 min.

**Testing Result :**

Request/Experiment	Results	Remark
Accordance with IEC60529 13.4 and 13.6 test.	There is no trace of dust inside.	IP6X
After testing in accordance with appropriate requirements of IEC60529 14.1.14.2.6 and 14.3	There is no trace of water inside.	IPX6

**Definition of Variable :**

Variable:	Range of Variable:	Content:
Model : WOP-X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub> X <sub>5</sub>		
X <sub>1</sub>	may be 2, 3	Monitor function mode
X <sub>2</sub> ~X <sub>3</sub>	may be 05, 07	LCD Size 05:5.6" 07:7"
X <sub>4</sub>	may be 0, 1, 2	Application
X <sub>5</sub>	may be V, T	Out put port
There is no deviation in casing configuration in each,it is no affection to the test result.		

**Cermate Model**

Variable:	Range of Variable:	Content:
Model : X <sub>1</sub> X <sub>2</sub> -X <sub>3</sub> X <sub>4</sub> X <sub>5</sub>		
X <sub>1</sub> X <sub>2</sub>	may be PT,PK,PX	Monitor function mode
X <sub>3</sub> ~X <sub>5</sub>	may be 056,057,058,070	LCD Size
There is no deviation in casing configuration in each,it is no affection to the test result.		

Tested by :

\_\_\_\_\_   
 Kengy Yen



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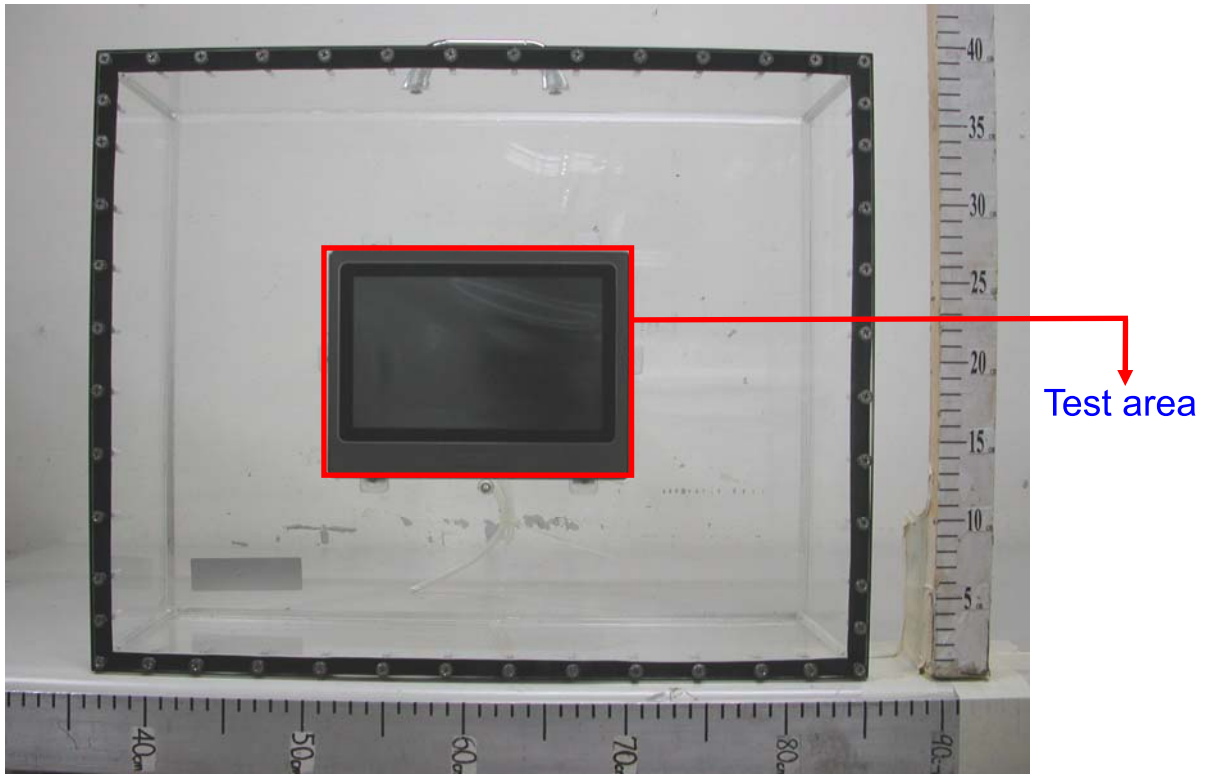
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## Utilized testing equipments 試驗設備列表

Test Mode 測試項目	Kind of Instrument 設備名稱	Manufacturer 製造商	Model Serial No. 型號,序號或其它資訊	Due Date 下次校驗日期
IP1X	Test sphere(50mm)試驗球	Fimko Lab.	IEC60529/Tab.6 A	2011/11/04
IP2X	Test sphere(12.5mm)試驗球	Fimko Lab.	IEC60529/Tab.6 B	2012/11/03
IP3X	Test rod,2.5mm(D)x100mm(L)試驗棒	Fimko Lab.	IEC60529/Tab.6 C	2012/11/03
IP4X	Test rod,1mm(D)x100mm(L) 試驗棒	Fimko Lab.	IEC60529/Tab.6 D	2012/11/03
√	IP5~6X TESTING T1-16 DUST TEST CHAMBER	TESTING	IEC60529/Figure.2	2012/05/04
	IPX1~2 Drip Box 滴水試驗裝置	PTL	IEC60529/Figure.3	2011/10/24
	IPX3~4 Oscillating Tube 灑水及濺水試驗裝置	PTL	IEC60529/Figure.4	2011/10/24
√	IPX5~6 Hose Nozzle 對噴流保護檢測用試驗裝置	PTL	IEC60529/Figure.6	2011/10/24
	IPX7~8 Water Butt 水桶	達峯塑膠		N/A
	High-pot tester 耐壓機 (HP1)	Good will	GPT-515AD	2011/10/28
	Digital Insulation Tester 絕緣電阻計	Hioki	3119-11	2011/10/21
√	Stop watch 馬錶	Casio	HS-3	2011/08/31
	Leakage Current Tester 洩漏電流表	Simpson	228	2012/04/10
	High-pot tester 耐壓機 (HP2)	EXTECH	7410	2012/03/13

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Main Model : WOP-2070T

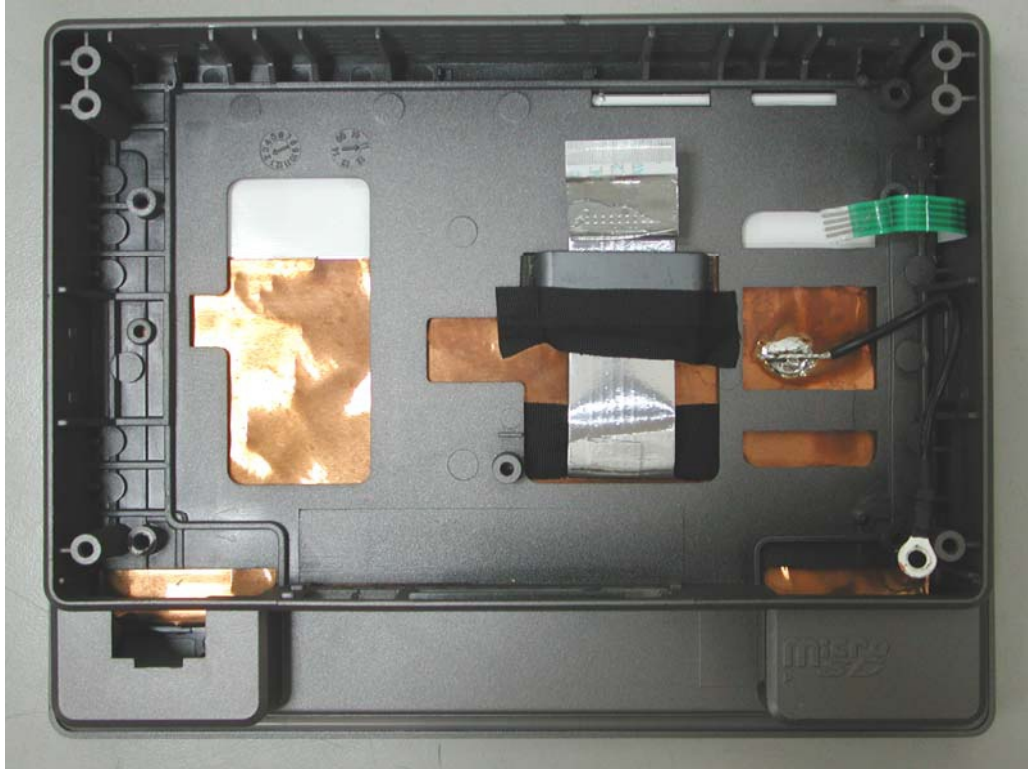


IPX6 Test



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There is no trace of water inside.



There is no trace of water inside.





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IP6X Test

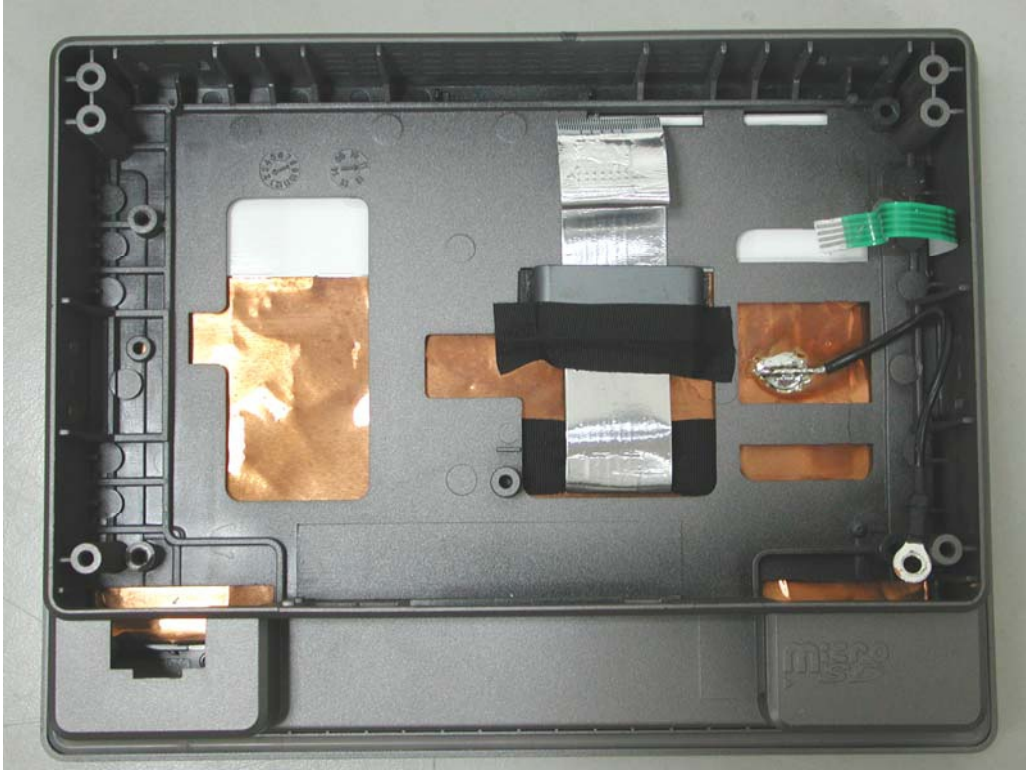


IP6X Test



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There is no trace of dust inside.



There is no trace of dust inside.

