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 Issue Date : Nov.28,2008

TEST REPORT

Ind. Ser. No. : 08-11-VAA-050
 Applicant : LIYITEC INC.
 Address : No.9,Singye St.,Gueishan Township,Taoyuan County333,
 Taiwan
 Commodity : SonicTouch™ + bezel
 Model : Main Model:WS-190F-03
 Series Model: WS-170F-02,WS-150F-02
 Quantity : 2 sets
 Date of Receipt : Nov. 13, 2008
 Date of Testing : Nov. 14, 2008
 Test specification : IEC60529 Edition 2.1 2001-02
 Ambient Environment : Temp. 21 ± 2 °C , R.H. 64 ± 1 %
 Testing Item : IP65
 Test condition & result : 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.

Approved by : _____



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Testing Item : IP65

※Only test the front panel

Testing Conditions :

IPX5:

- (1) Internal diameter of the nozzle: 6.3 mm.
- (2) Delivery rate: 12.5 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.

IP6X:

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

Testing Result :

Request/Experiment	Results	Remark
After testing in accordance with appropriate requirements of IEC60529 14.1 and 14.2.5 the enclosure shall be inspected for ingress of water.	No ingress of water was found inside.	IPX5
Accordance with IEC60529 13.4and 13.6 test. The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.	There is no trace of dust inside.	IP6X

Model Difference:

Model	Panel Size	Frame size	Action Area	Structure
Main model: WS-190F-03	19"	434x360.7 mm	377.9x301 mm	ditto
Series model: WS-170F-02	17"	410.9x343.4 mm	340.5x272.5 mm	ditto
WS-150F-02	15"	377.6x301.6 mm	307.2x231.2 mm	ditto

Tester



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Utilized testing equipments 試驗設備列表

Test Mode 測試項目	Kind of Instrument Precision Class 設備名稱	Manufacturer 製造商	Model Serial No. 型號,序號或其它資訊	Scan Data 下次校驗日期	
IP1X	Test sphere(50mm)試驗球	Fimko Lab.	IEC60529/Tab. 6 A	2009/11/04	
IP2X	Test sphere(12.5mm)試驗球	Fimko Lab.	IEC60529/Tab. 6 B	2009/11/04	
IP3X	Test rod,2.5mm(D)x100mm(L)試驗棒	Fimko Lab.	IEC60529/Tab. 6 C	2009/11/04	
IP4X	Test rod,1mm(D)x100mm(L) 試驗棒	Fimko Lab.	IEC60529/Tab. 6 D	2009/11/04	
✓	IP5~6X	PTL P14.41 DUST TEST CHAMBER.	PTL	IEC60529/Figure. 2	2009/10/21
	IPX1~2	Drip Box 滴水試驗裝置	PTL	IEC60529/Figure. 3	2009/07/24
	IPX3~4	Oscillating Tube 灑水及濺水試驗裝置	PTL	IEC60529/Figure. 4	2009/07/24
✓	IPX5~6	Hose Nozzle 對噴流保護檢測用試驗裝置	PTL	IEC60529/Figure. 6	2009/07/24
	IPX7~8	Water Butt 水桶	達峯塑膠		N/A
		High-pot tester 耐壓機 (HP1)	Good will	GPT-515AD	2009/01/30
		Insulation Tester 絕緣電阻計 (IT2)	Yokogawa	2406	2009/10/20
✓		Stop watch 馬錶	Casio	HS-3	2009/09/08
		Leakage Current Tester 洩漏電流表	Simpson	228	2009/04/13
		High-pot tester 耐壓機 (HP2)	EXTECH	7410	2009/04/13



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Main Model : WS-190F-03



IPX5 Test





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No ingress of water was found inside.



No ingress of water was found 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.





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Series model: WS-170F-02



Series model: WS-150F-02

