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 Product safety Testing Laboratory  
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Testing Laboratory  
 2624

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 Issue Date : Sep.12, 2014

# TEST REPORT

Rep. No. : 14-08-VAA-055  
 Applicant : Gainta Industries Ltd.  
 Address : 1F., No. 28 , Lane 54 , Chung Cheng Road , Hsin Tien District , New Taipei City , Taiwan  
 Commodity : Sealed Aluminium Box  
 Model : G125MF-IP67, G105-IP67, G101-IP67  
 Series Model : See Page 15,16  
 Quantity : 3 sets  
 Date of Receipt : Aug. 12, 2014  
 Date of Testing : Aug. 12, 2014  
 Test specification : IEC 60529 Edition 2.1 2001-02  
 Ambient Environment : Temp. 22 °C, R.H. 66 %, A.P. 980 mbar  
 Test Item : IP67  
 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.

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Approved by : Daniel Yeh  
 Daniel Yeh



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**1. Test Item : IP67** (Test model : G125MF-IP67,G105-IP67,G101-IP67 )

**2. Test Conditions :**

**2.1 Ambient Condition**

- Temperature range:15 °C to 35 °C.
- Relative humidity:25 % to 75 %.
- Air pressure:860 mbar to 1060 mbar.

**2.2 IP6X** (In accordance with IEC 60529 13.4 test)

- Dust:Talcum powder.
- The amount of dust:2 kg/m<sup>3</sup>.
- Maximum depression of 2kPa.(20mbar).
- The duration of the test is 2 hr.
- (Extraction rate is less than 40 volumes per hour)

**2.3 IPX7** (In accordance with IEC 60529 14.1/14.2.7 test)

- Water depth:1000 mm above the bottom of specimen.
- The duration of the test is 30 min.
- The water temperature does not differ from that of the equipment by more than 5 K.

**3. Test Result :**

IP Code	Results	Acceptance Criteria
IP6X	There is no trace of dust inside.	IEC 60529 13.6
IPX7	There is no trace of water inside.	IEC 60529 14.3

Tested by : Mark Chen  
 Mark Chen

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Model : G125MF-IP67



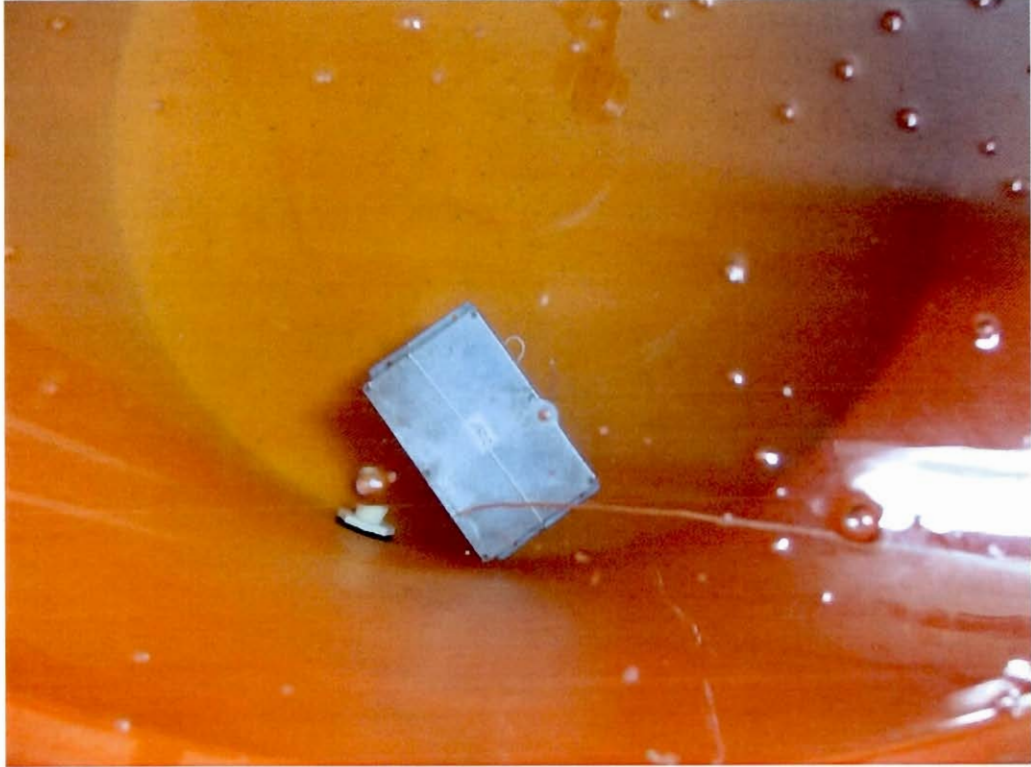
Model : G125MF-IP67





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IPX7 Test.



There is no trace of water inside.



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There is no trace of water inside.



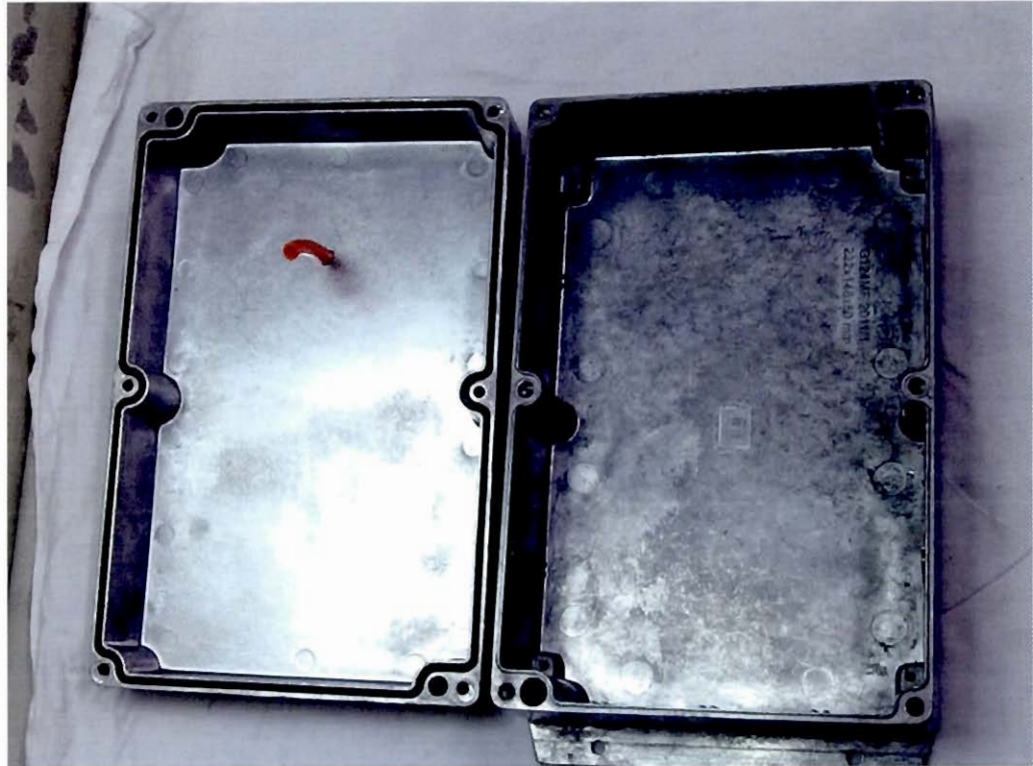
IP6X Test



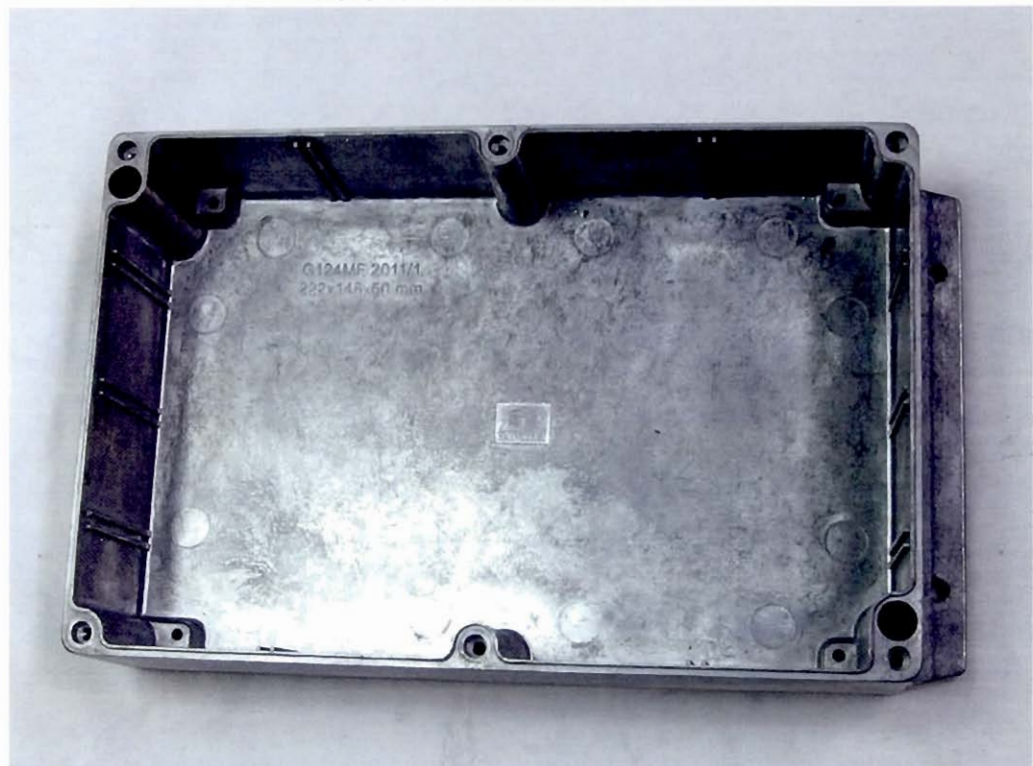


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There is no trace of dust inside .



There is no trace of dust inside.

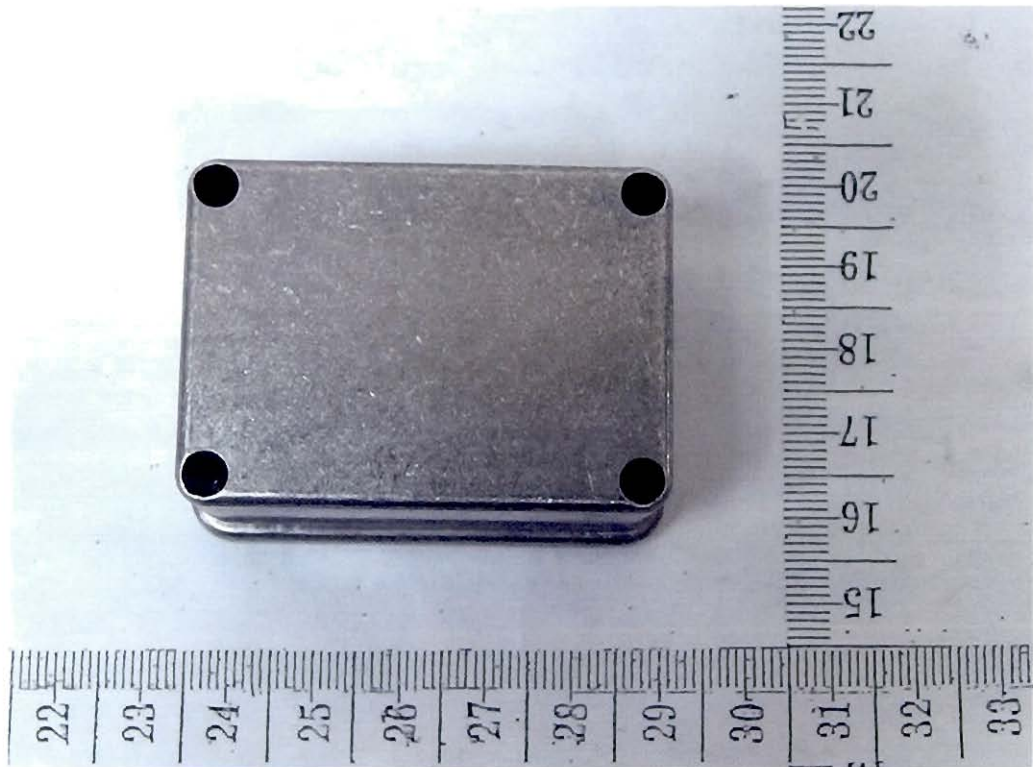


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Model : G105-IP67



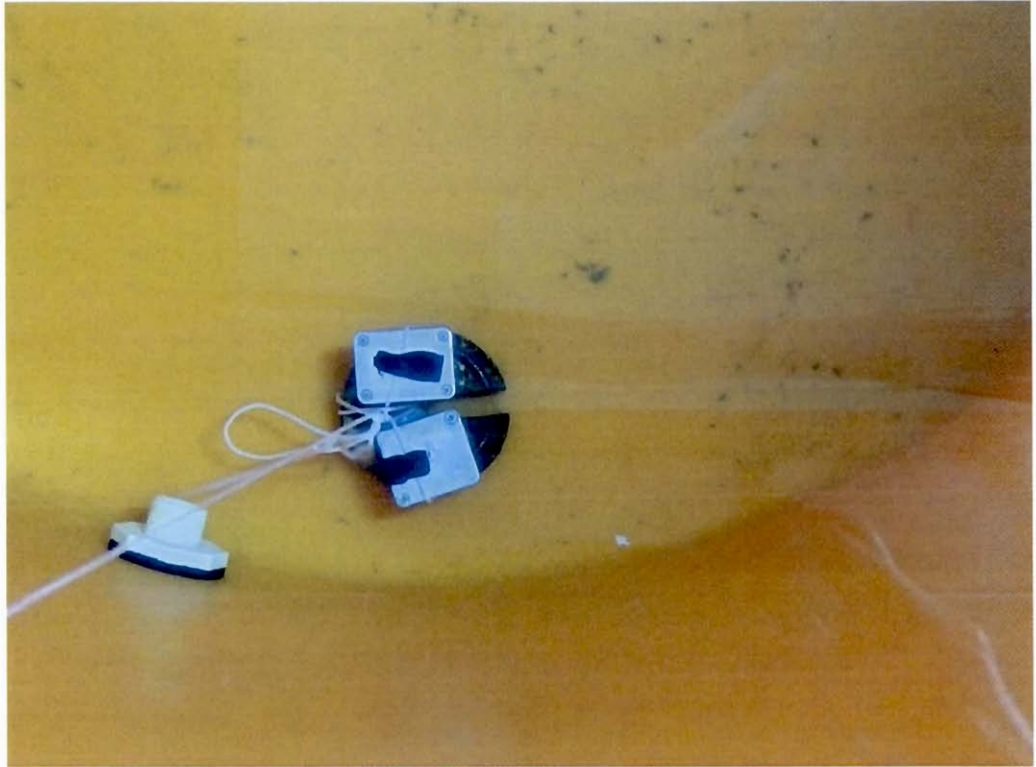
Model : G105-IP67





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## IPX7 Test



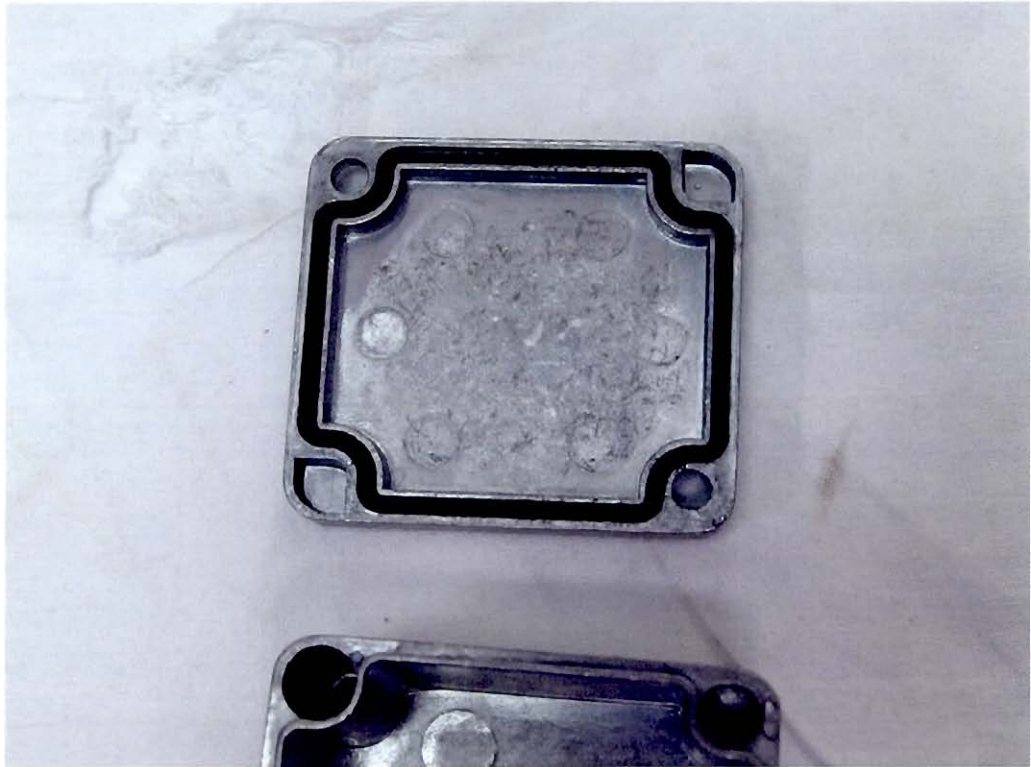
There is no trace of water inside



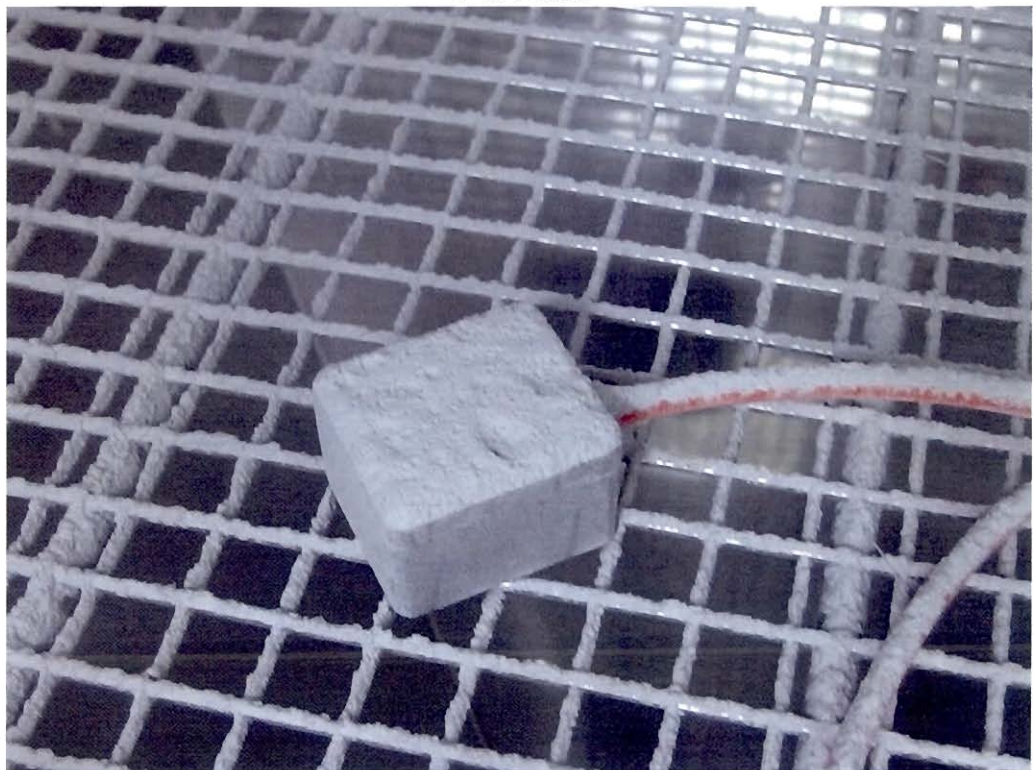


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There is no trace of water inside

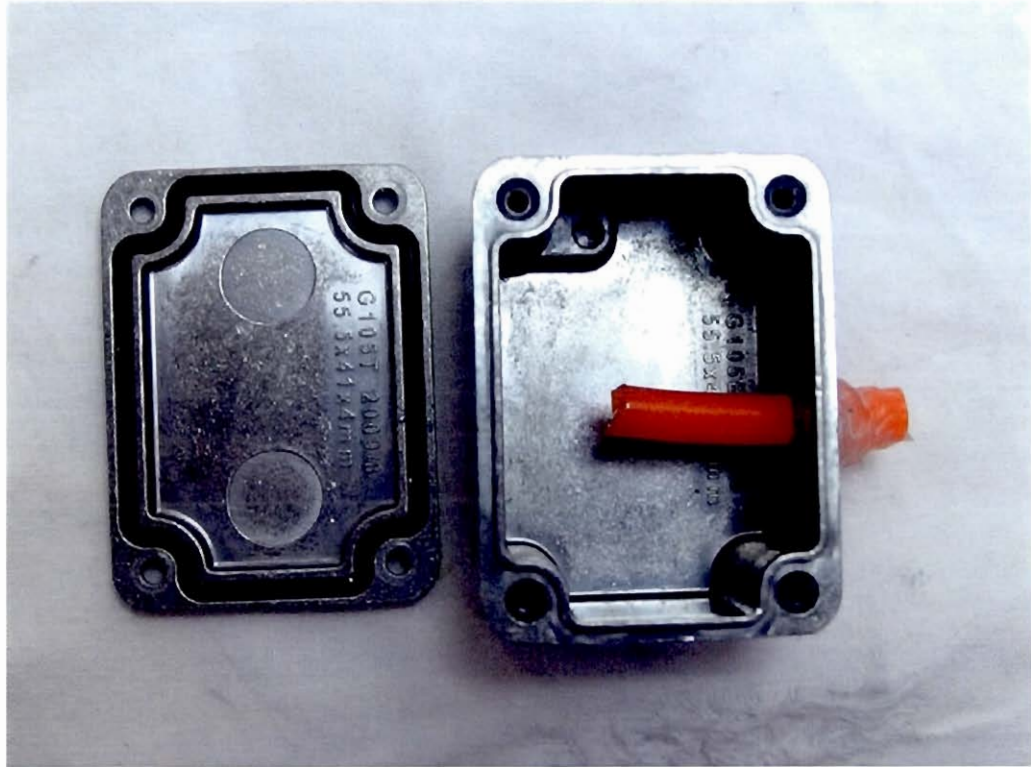


IP6X Test

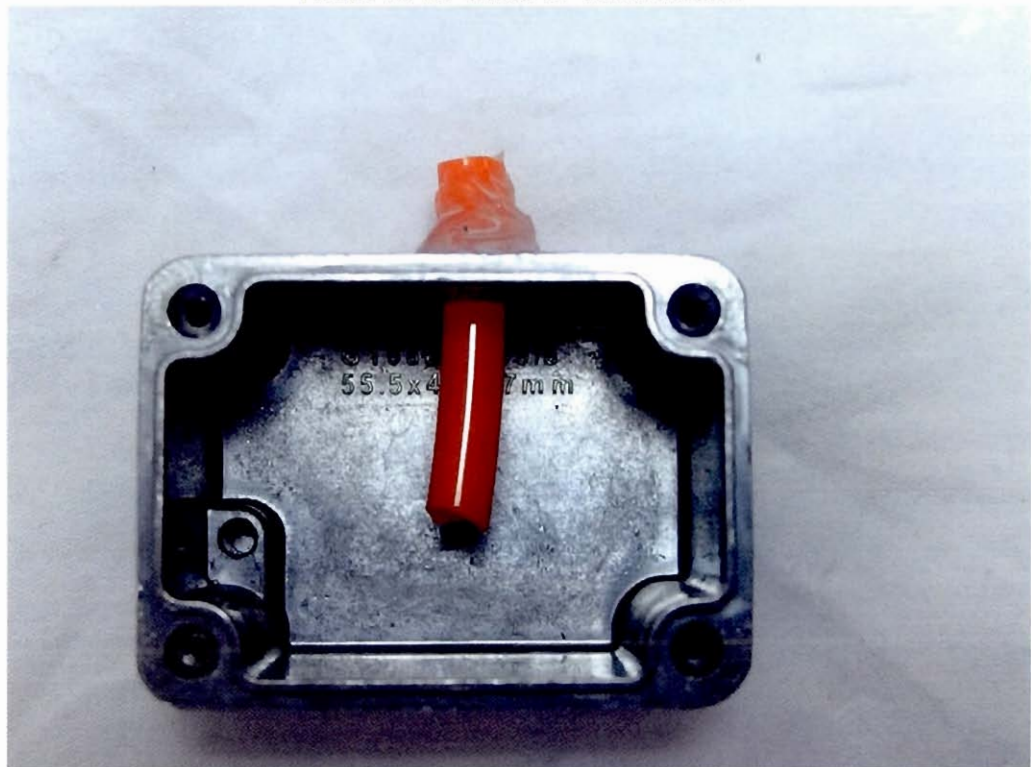


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There is no trace of dust inside.



There is no trace of dust inside.



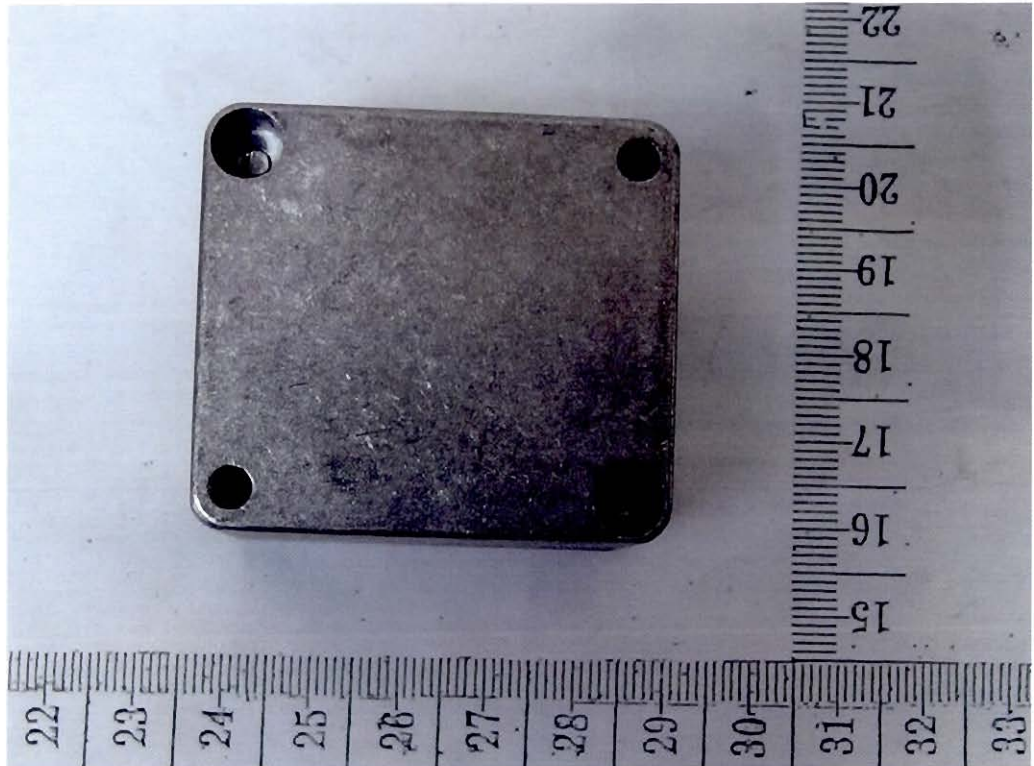


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Model : G101-IP67

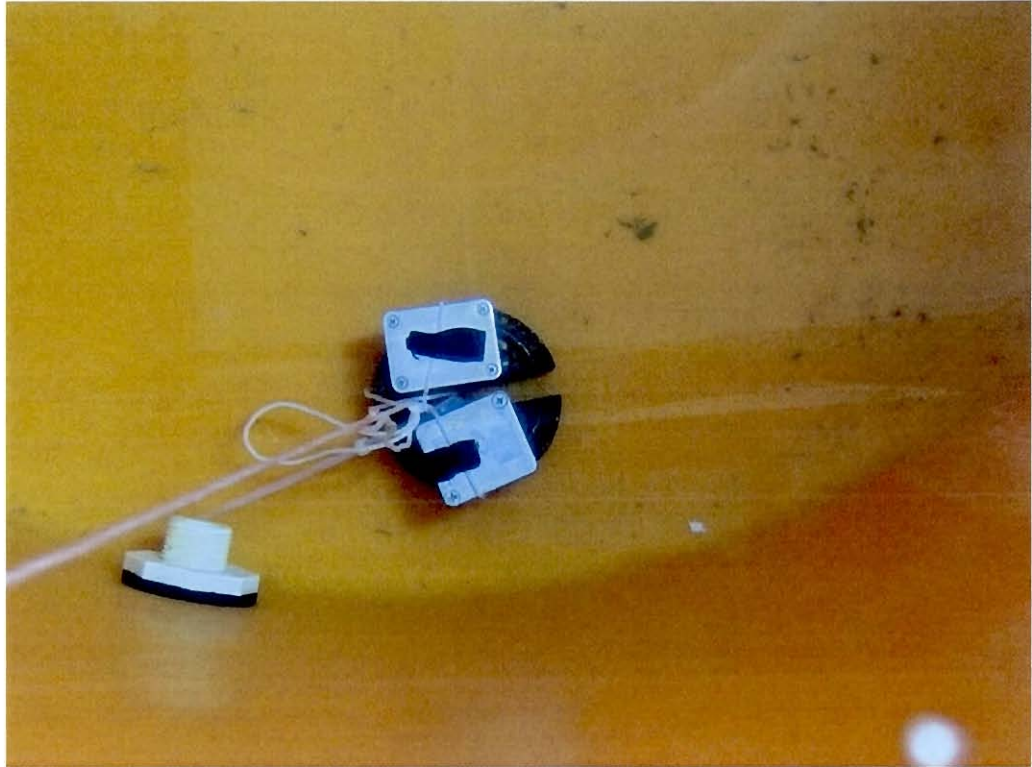


Model : G101-IP67

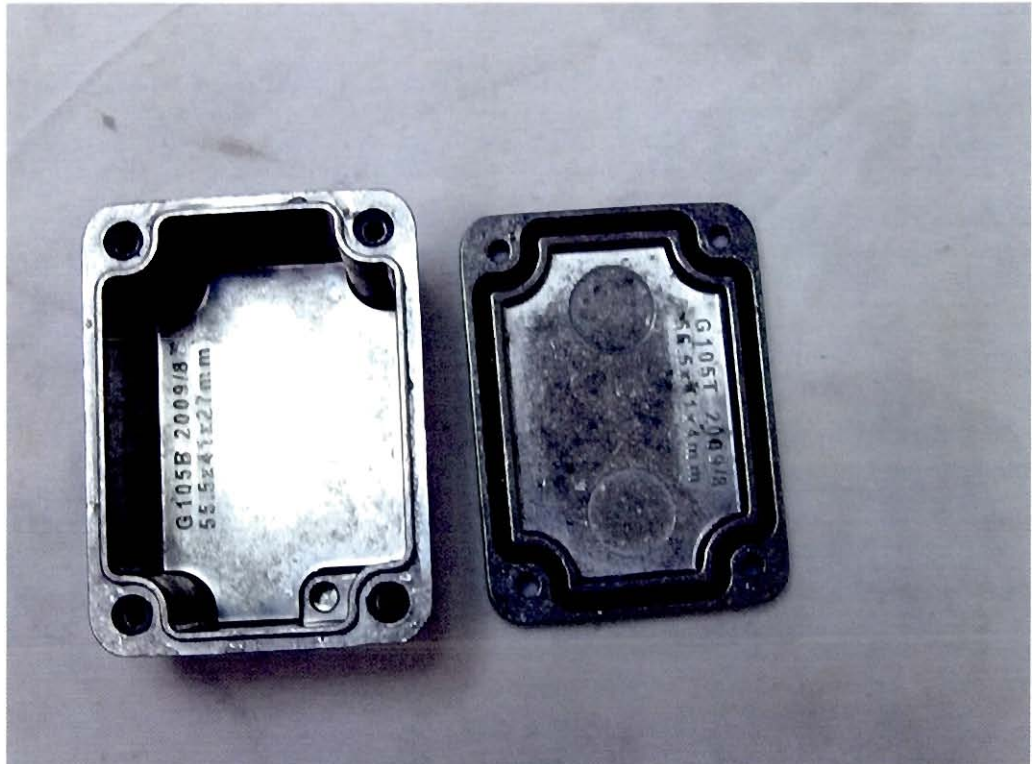


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## IPX7 Test



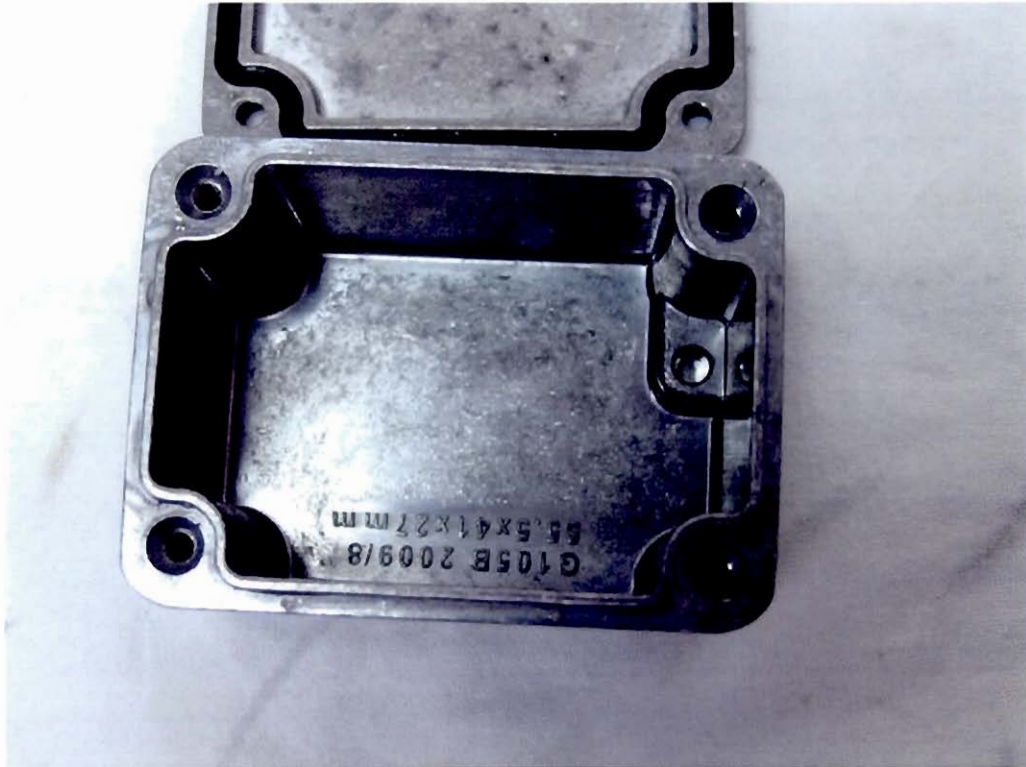
There is no trace of water inside



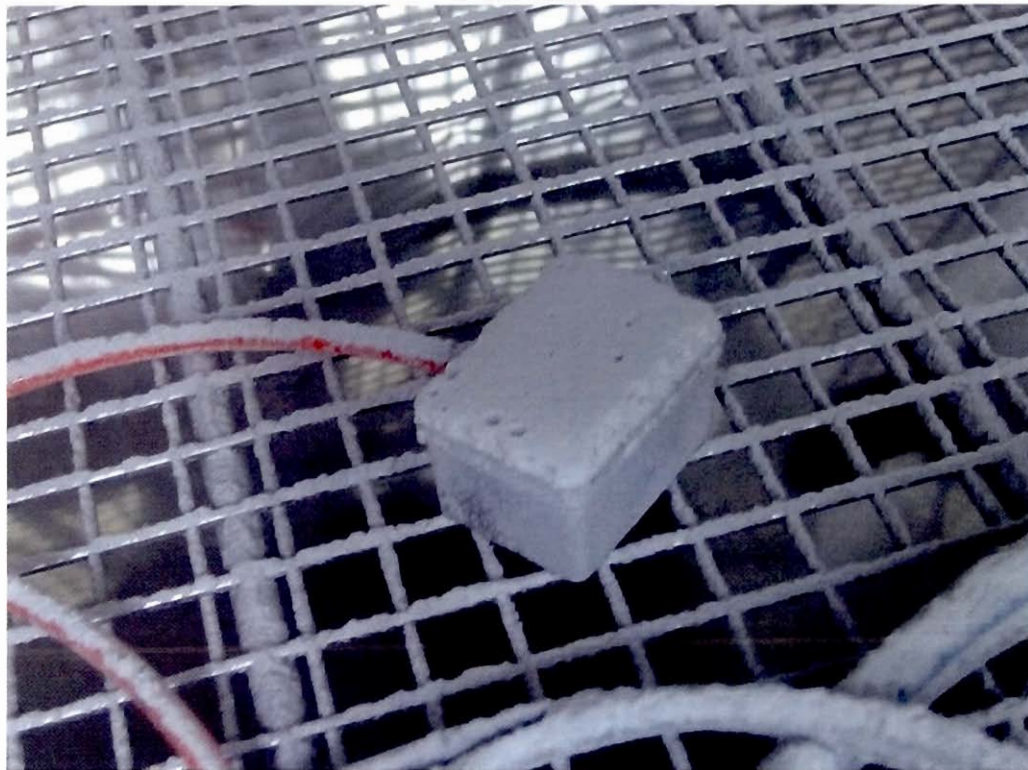


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There is no trace of water inside



IP6X Test

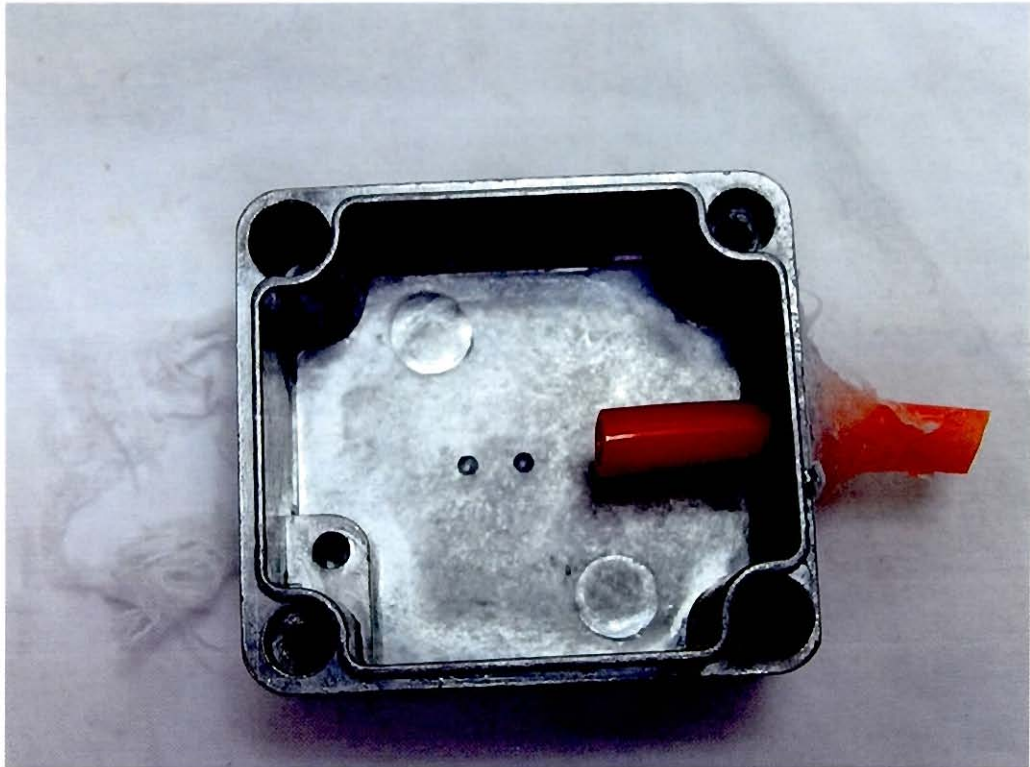


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There is no trace of dust inside.



There is no trace of dust inside.







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Model Difference : G1XX series

item	Model .	Material	Dimensions (mm)	Screw Holes
1	G101-IP67	Aluminium	50 x 45 x 30	2
2	G102-IP67	Aluminium	90 x 36 x 30	4
3	G103-IP67	Aluminium	98 x64 x 34	4
4	G104-IP67	Aluminium	64 x 58 x 35	4
5	G106-IP67	Aluminium	115 x 65 x 30	4
6	G107-IP67	Aluminium	125 x 80 x 40	4
7	G108-IP67	Aluminium	125 x 80 x 57	4
8	G109-IP67	Aluminium	150 x 63 x 36.5	4
9	G111-IP67	Aluminium	115 x 65 x 55	4
10	G113-IP67	Aluminium	115 x 90 x 55	4
11	G115-IP67	Aluminium	148 x 108 x 75	4
12	G116-IP67	Aluminium	160 x 100 x 60	4
13	G117-IP67	Aluminium	160 x 100 x 81	4
14	G120-IP67	Aluminium	171 x 121 x 55	6
15	G124-IP67	Aluminium	222 x 146 x 55	6
16	G125-IP67	Aluminium	222 x 146 x 82	6
17	G137-IP67	Aluminium	120.5 x 120.5 x 101.5	4
18	G139-IP67	Aluminium	158.5 x 158.5 x 101.5	4
19	G105-IP67	Aluminium	55 x 41 x 31	4
20	G110-IP67	Aluminium	79.6 x 74.6 x 52	4
21	G112-IP67	Aluminium	102.5 x 52.5 x 25.5	4
22	G118-IP67	Aluminium	175 x 80 x 60	4
23	G123-IP67	Aluminium	200 x 120 x 75	4
24	G155-IP67	Aluminium	222 x 160 x 90.5	4

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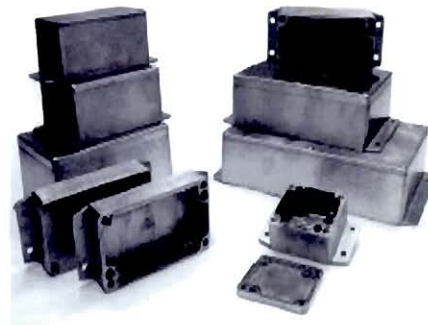
Model Difference : G1XXMF series

item	Model .	Material	Dimensions (mm)	Screw Holes
1	G102MF-IP67	Aluminium	90x36x30	4
2	G104MF-IP67	Aluminium	64x58x35	4
3	G106MF-IP67	Aluminium	115x65x30	4
4	G111MF-IP67	Aluminium	115x65x55	4
5	G113MF-IP67	Aluminium	115x90x55	4
6	G115MF-IP67	Aluminium	148x108x75	4
7	G120MF-IP67	Aluminium	171x121x55	6
8	G124MF-IP67	Aluminium	222x146x55	6
9	G125MF-IP67	Aluminium	222x146x82	6
10	G107MF-IP67	Aluminium	124.5x80x40	4
11	G108MF-IP67	Aluminium	124.5x80x57	4
12	G116MF-IP67	Aluminium	160x100x60	4
13	G117MF-IP67	Aluminium	160x100x81	4
14	G123MF-IP67	Aluminium	200x120x75	4

G1XX series



G1XXMF series



G104-IP67



G104MF-IP67







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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.	EN 60529 Tab. VI A,1.	2015/10/30
IP2X	Test sphere(12.5mm)試驗球	Fimko Lab.	EN 60529 Tab. VII 2,1.	2015/10/30
IP3X	Test rod,2.5mm(D)x100mm(L)試驗棒	Fimko Lab.	EN 60529 Tab. VI C,1.	2015/10/30
IP4X	Test rod,1mm(D)x100mm(L) 試驗棒	Fimko Lab.	100mm;1mm	2015/10/30
✓ IP5~6X	DUST TEST CHAMBER	TESTING	T1-16	2015/05/02
IPX1~2	Drip Box 滴水試驗裝置	PTL	P 01.16	2015/08/05
IPX3~4	Oscillating Tube Controller 灑水及濺水試驗控制裝置	PTL	P 02.27	2015/08/05
IPX3~4	Oscillating Tube 擺管(R200)	ALAB	CH-R200	2015/08/05
IPX3~4	Oscillating Tube 擺管(R400)	PTL	P 02.51-065	2015/08/05
IPX3~4	Oscillating Tube 擺管(R600)	PTL	P 02.52-045	2015/08/05
IPX3~4	Oscillating Tube 擺管(R800)	ALAB	CH-R800	2015/08/05
IPX3~4	Oscillating Tube 擺管(R1000)	PTL	P 02.54-005	2015/08/05
IPX5~6	Hose Nozzle 對噴流保護檢測用試驗裝置	PTL	P 03.26 P 03.28	2015/08/05
✓ IPX7~8	Water Butt 水桶	Dafong Plastic	N/A	N/A
✓	Ruler 鋼尺	EK	208	2015/07/22
✓	Atmospheric barometer 水銀氣壓計	SATO	7640-00	2015/05/27
✓	Stop watch 馬錶	Casio	HS-3	2015/08/27
	Pull/Push Gage 推拉力計	AIKOH	AE-50	2014/12/10
✓	TEMP/HUMI Recorder 溫濕度計	ISUZU	TH-27R	2015/07/29
✓	Digital Thermometer 數位式溫度計	Yokogawa	2455	2015/07/02