



ELECTRONICS TESTING CENTER, TAIWAN
 Product safety Testing Laboratory
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Testing Laboratory
 2624

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 Issue Date : Aug. 21, 2018

TEST REPORT

Rep. No. : 18-08-VAA-055
 Applicant : Gainta Industries Ltd.
 Address : 1F., No. 28 , Lane 54 , Chung Cheng Road , Hsin Tien District , New Taipei City , Taiwan
 Commodity : Sealed Plastic Box
 Model : G232C-IP67, G279C-IP67, G214C-IP67
 Series Model : See Page 15,16,17,18.
 Quantity : 3 sets
 Date of Receipt : Aug. 09, 2018
 Date of Testing : Aug. 10, 2018
 Test specification : IEC 60529 Edition 2.2 2013-08
 Ambient Environment : Temp. 24 °C, R.H. 68 %, A.P. 977 mbar
 Test Item : IP67
 Test condition & result : See the following sheet

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 : 
 Jimmy Lin





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1. Test Item : 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 cl13.4 test)

- Dust:Talcum powder.
- The amount of dust:2 kg/m³.
- Maximum depression of 2kPa.(20mbar).
- The duration of the test is 8 hr.

2.3 IPX7 (In accordance with IEC 60529 cl14.1/14.2.7 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 :

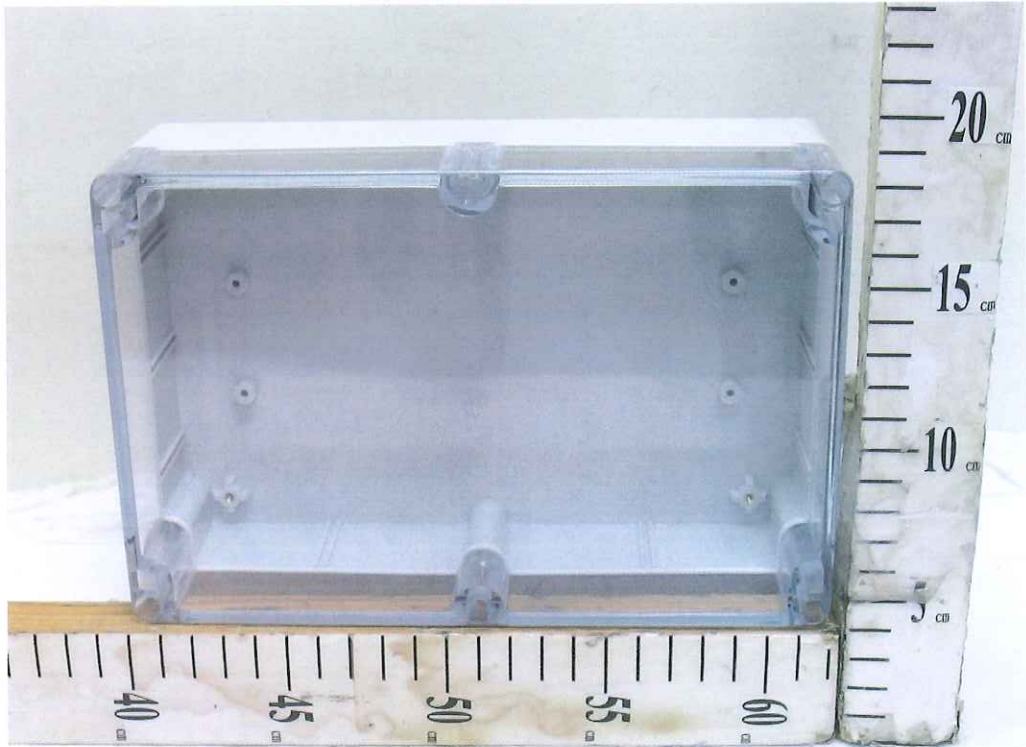
IP Code	Results	Acceptance Criteria
IP6X	No dust has entered.	IEC 60529 cl13.6
IPX7	No water has entered.	IEC 60529 cl14.3
Test Model : G232C-IP67, G279C-IP67, G214C-IP67		

Tested by :

Mark Chen

Mark Chen

Model : G232C-IP67



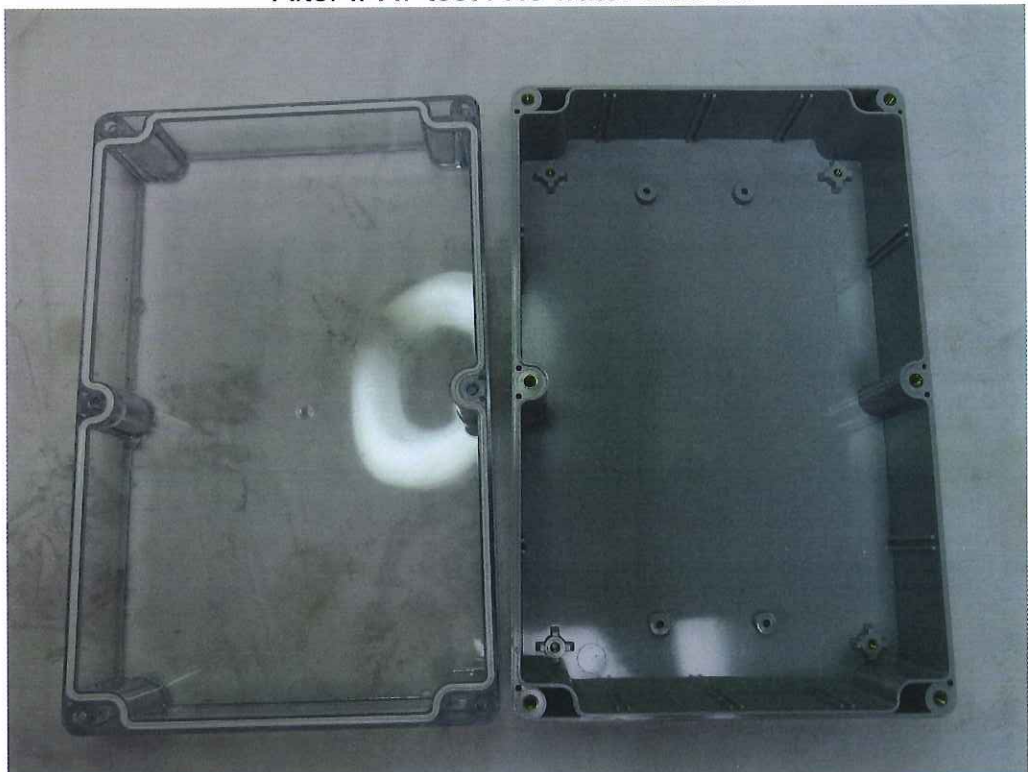
Model : G232C-IP67



IPX7 Test.



After IPX7 test : No water entered.



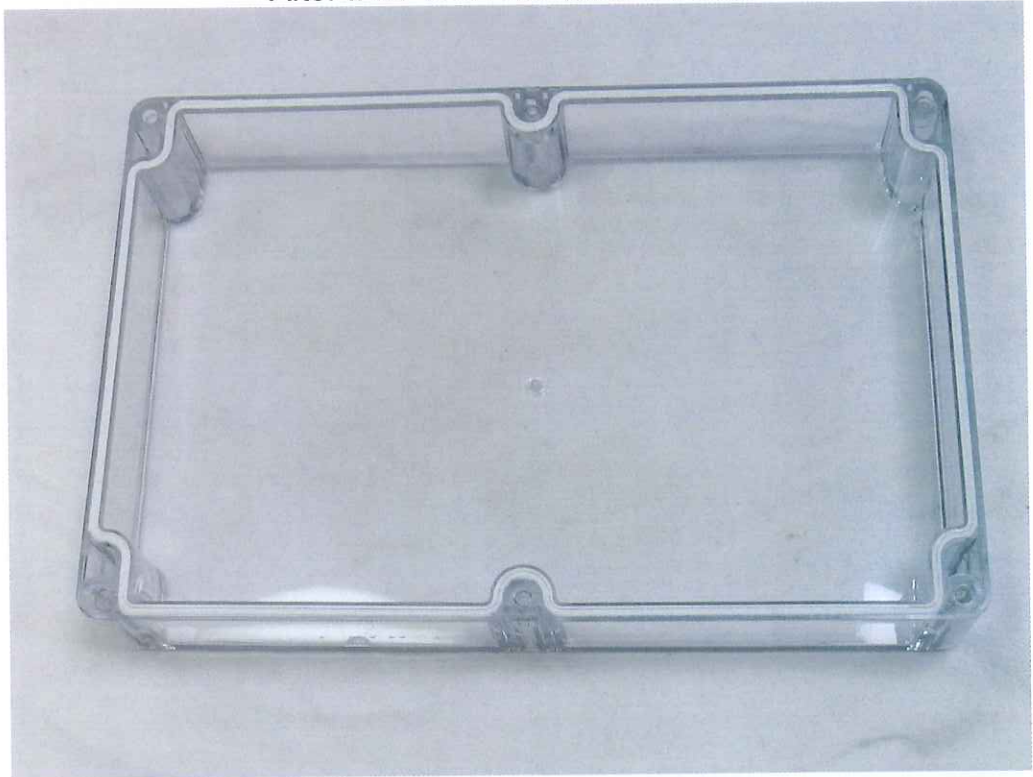


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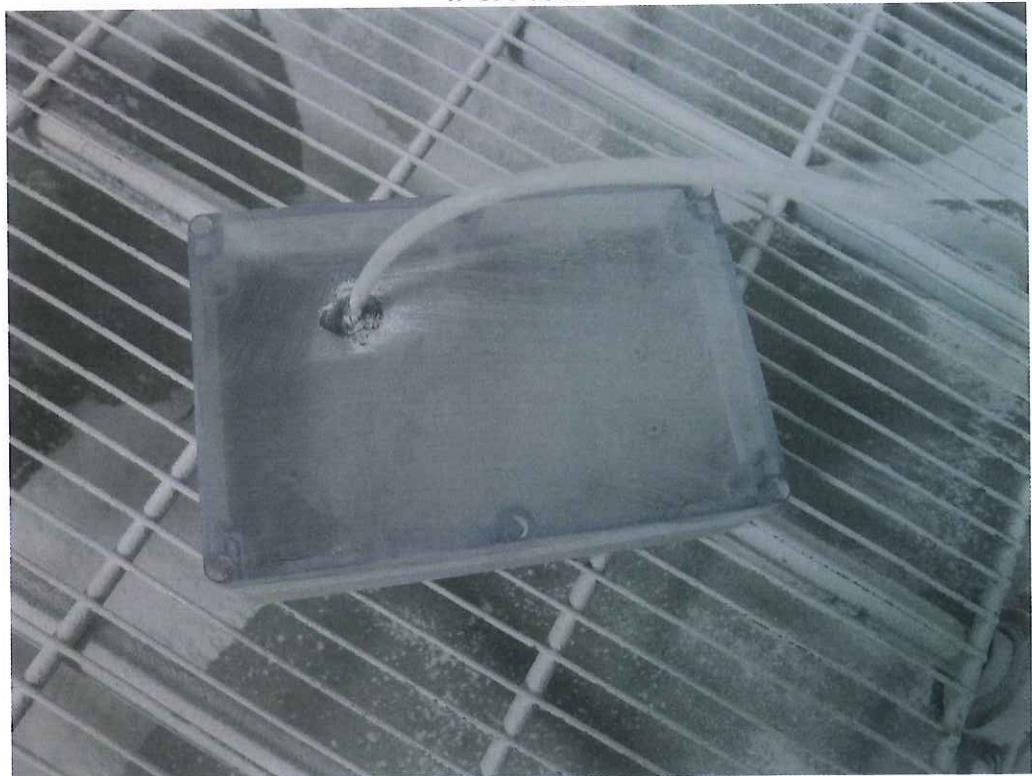
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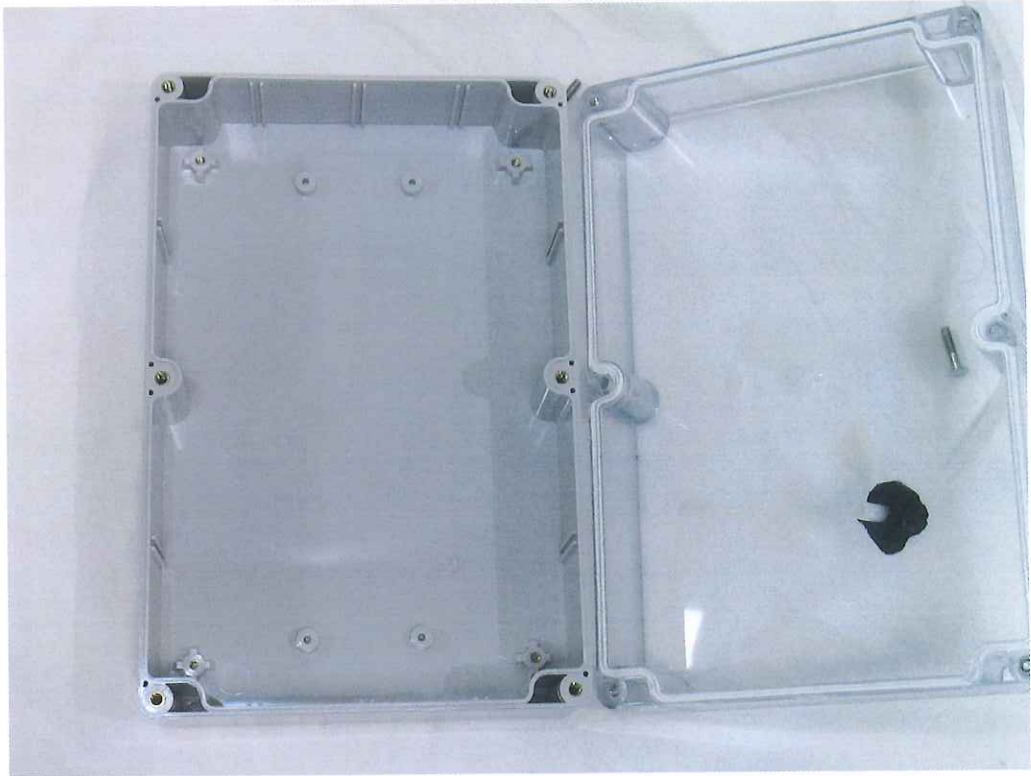
After IPX7 test : No water entered.



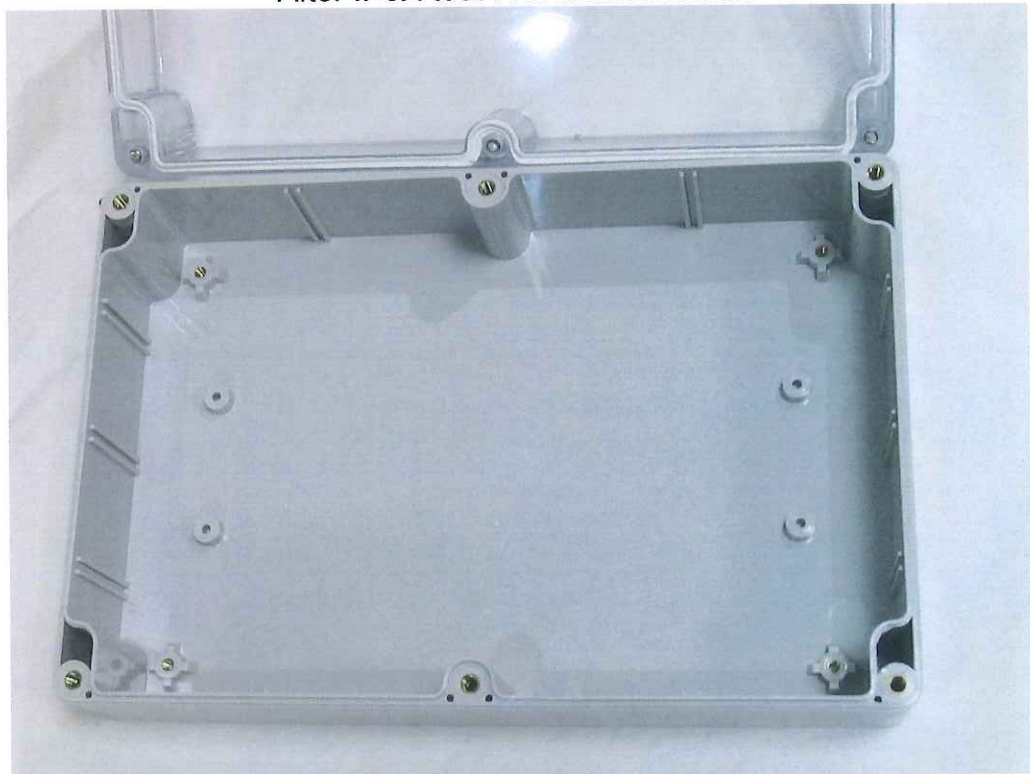
IP6X Test



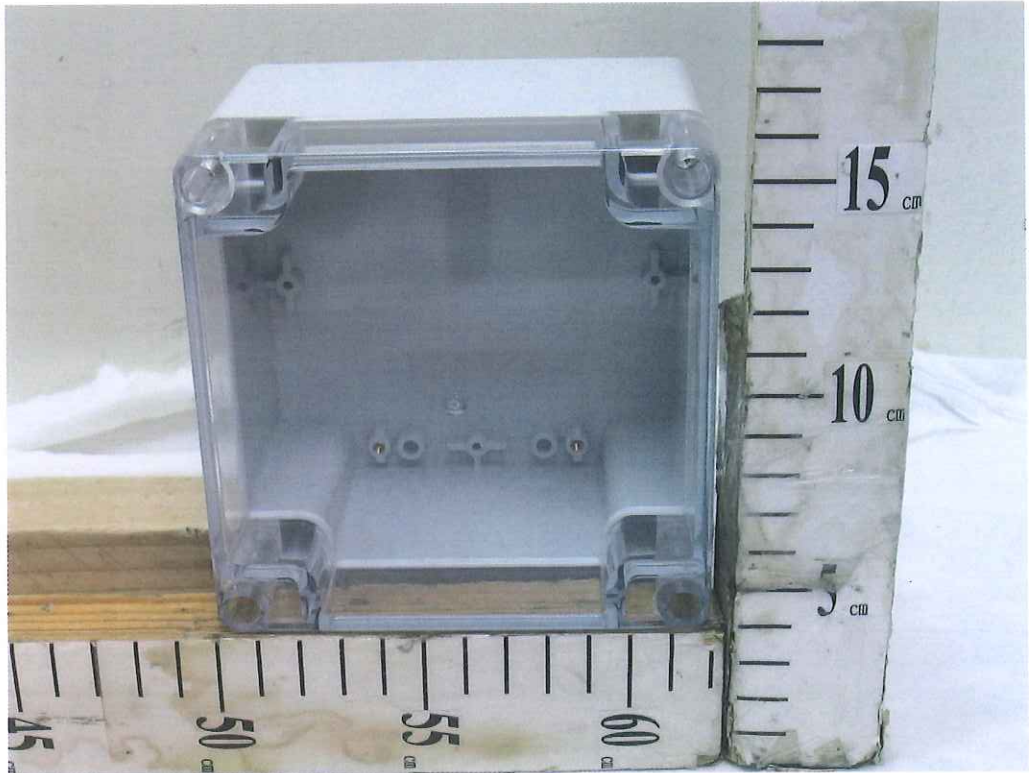
After IP6X test : No dust entered .



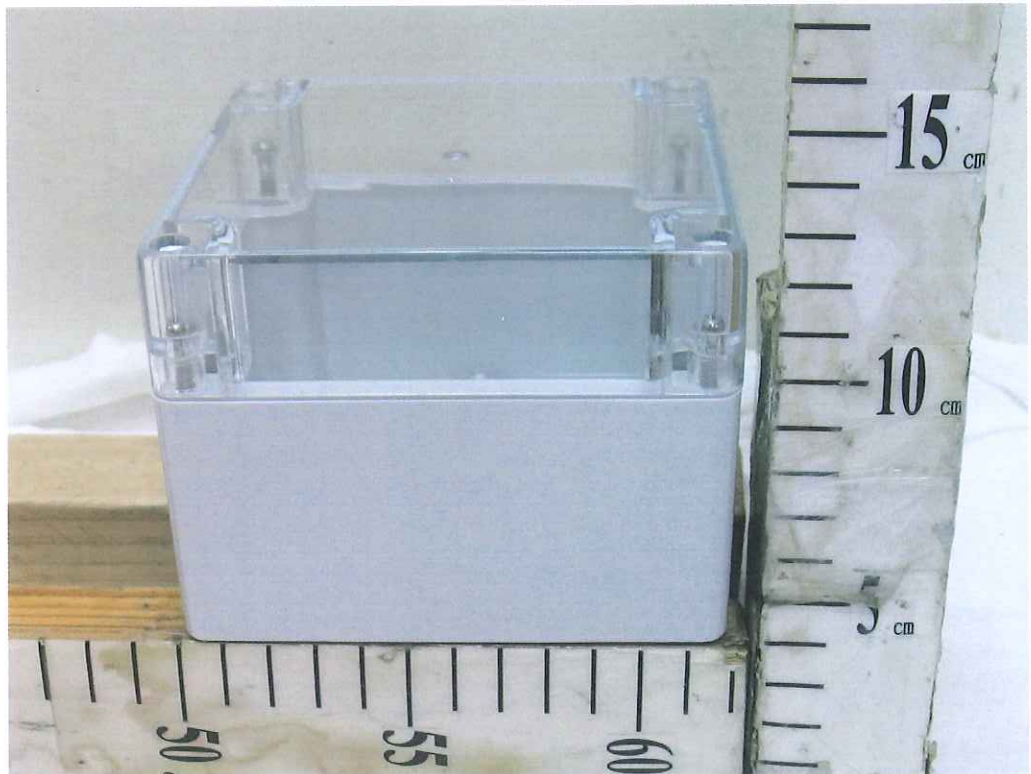
After IP6X test : No dust entered .



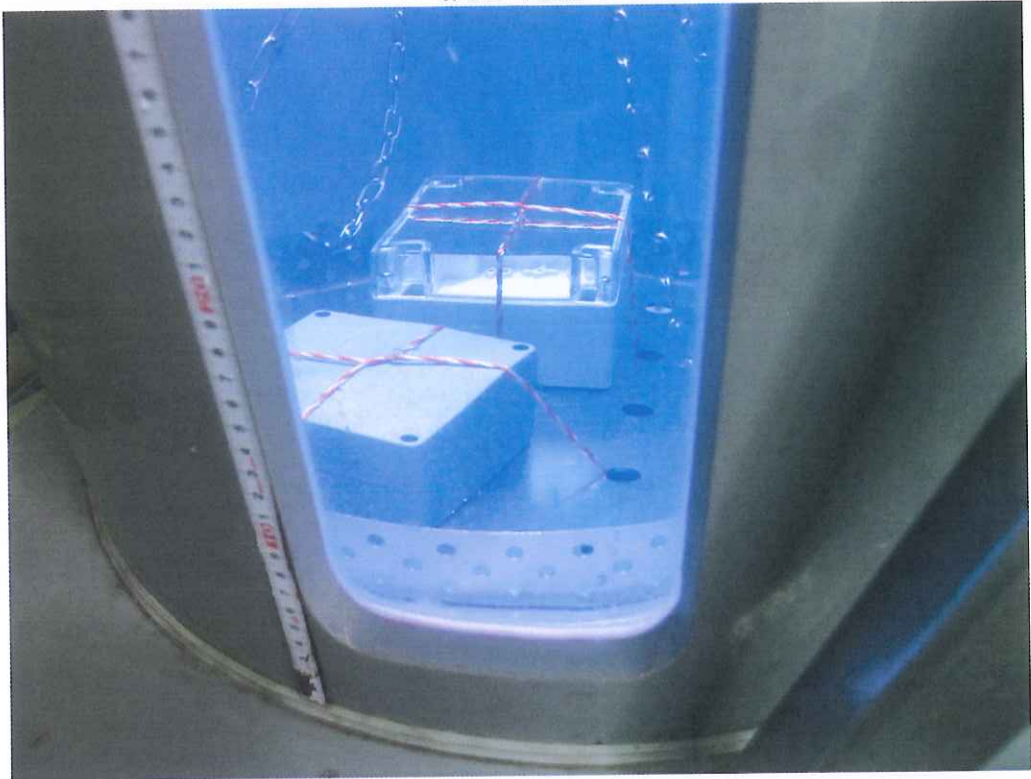
Model : G279C-IP67



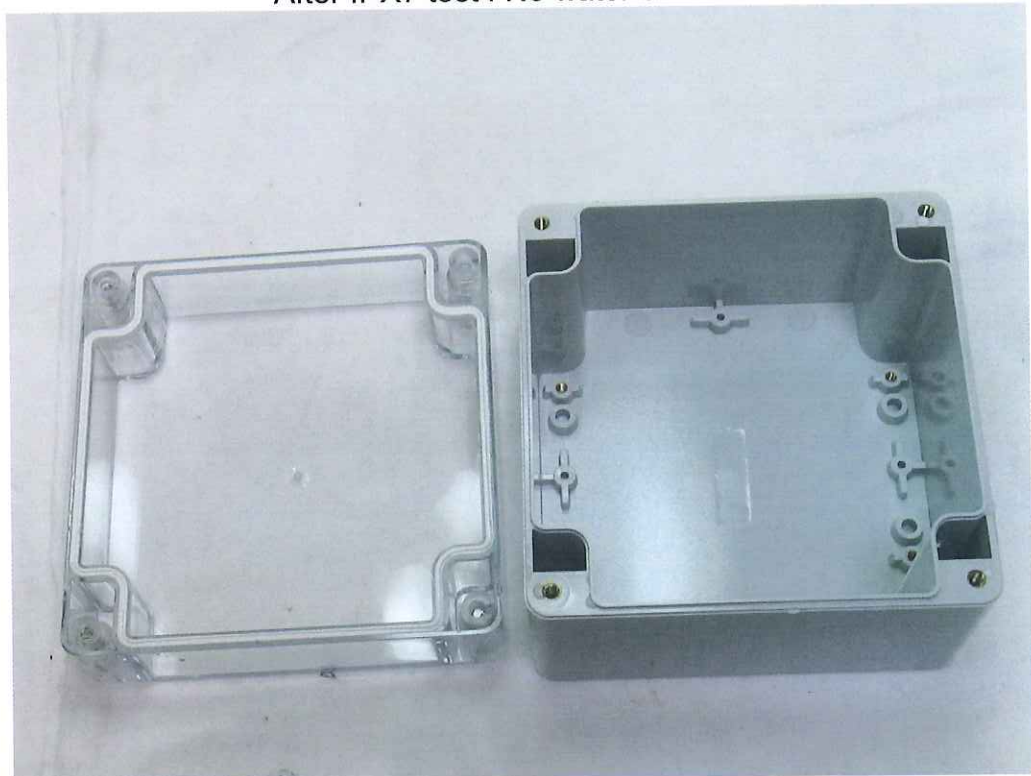
Model : G279C-IP67



IPX7 Test.



After IPX7 test : No water entered.



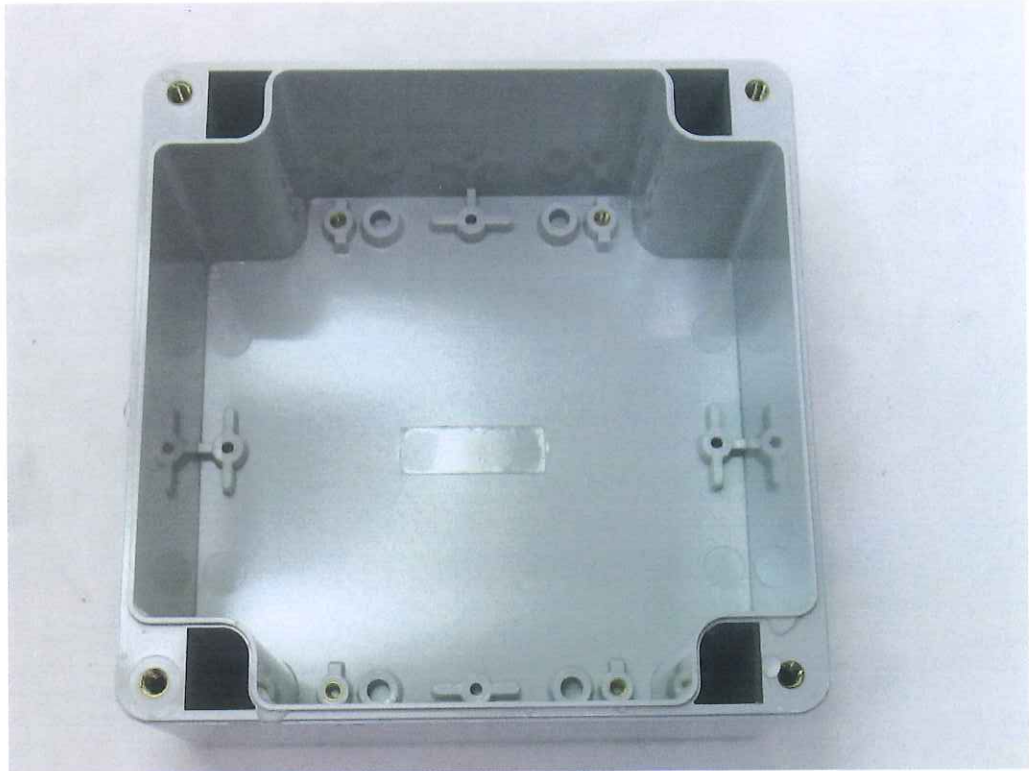


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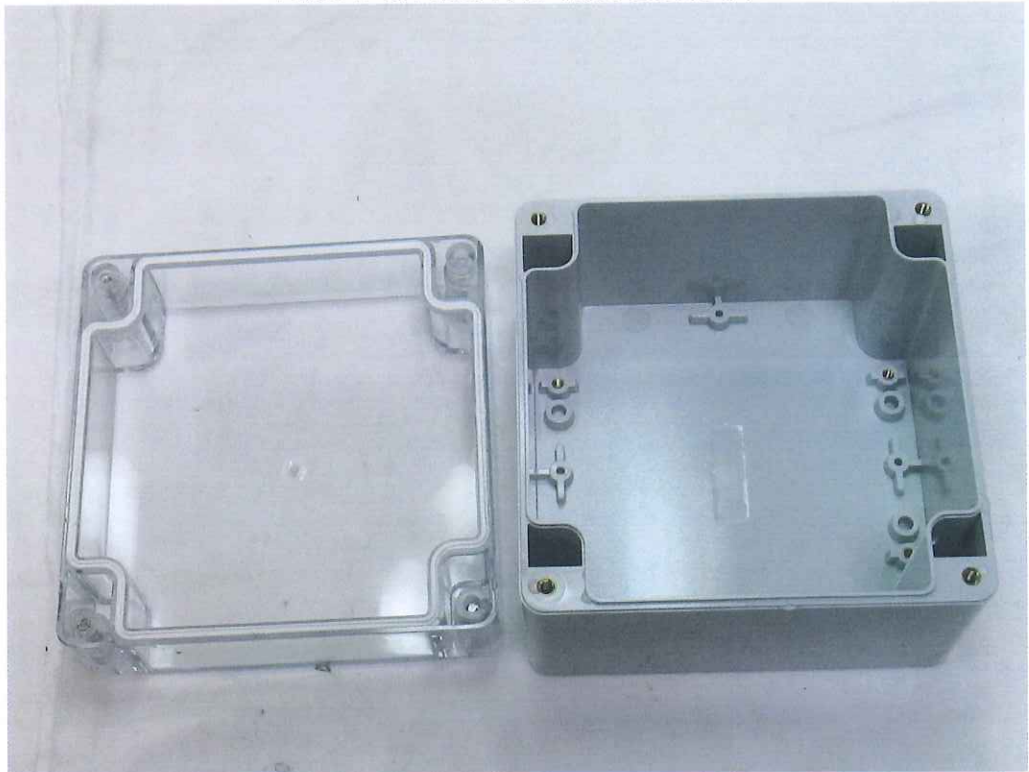
After IPX7 test : No water entered.



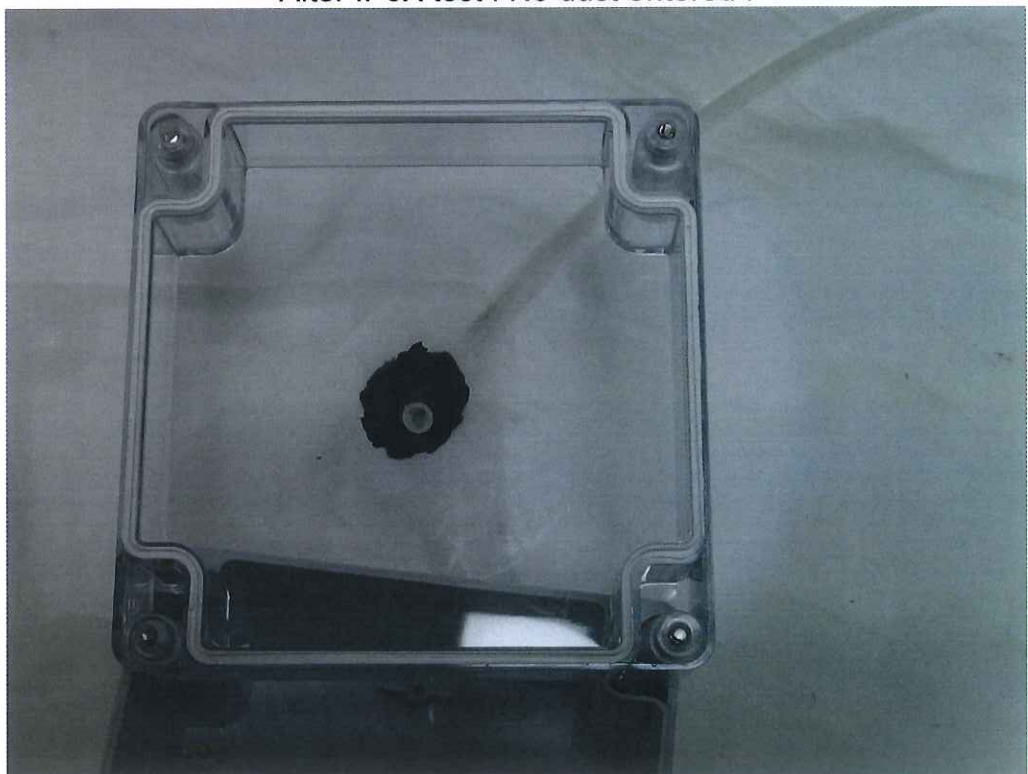
IP6X Test



After IP6X test : No dust entered .



After IP6X test : No dust entered .



Model : G214C-IP67



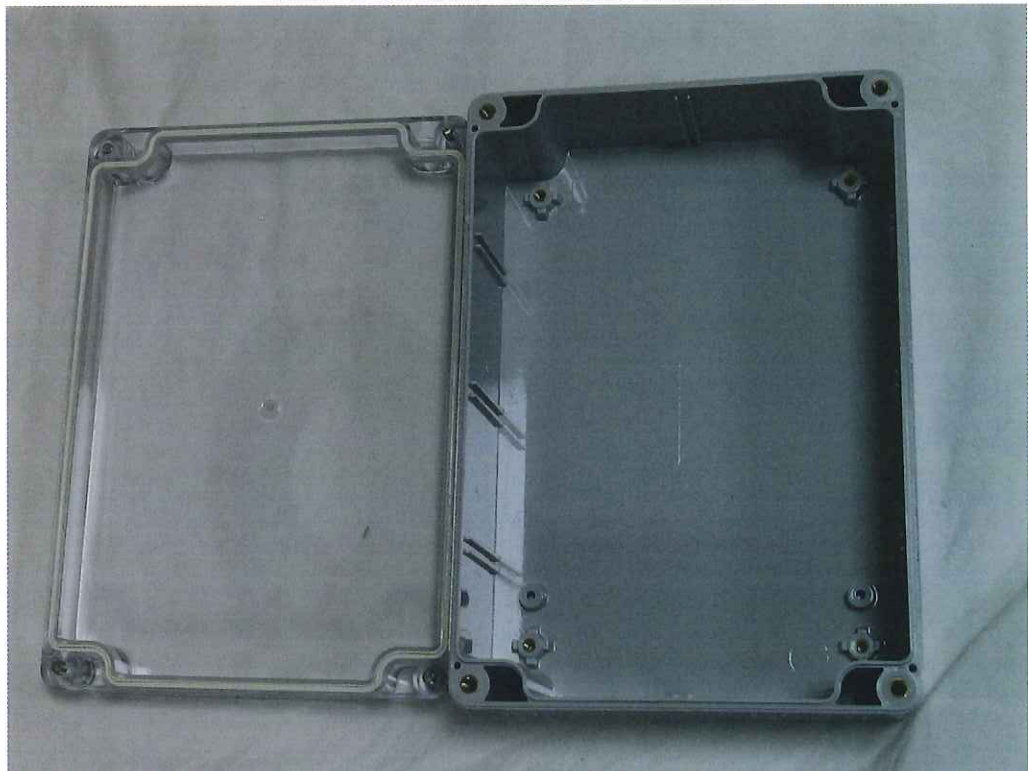
Model : G214C-IP67



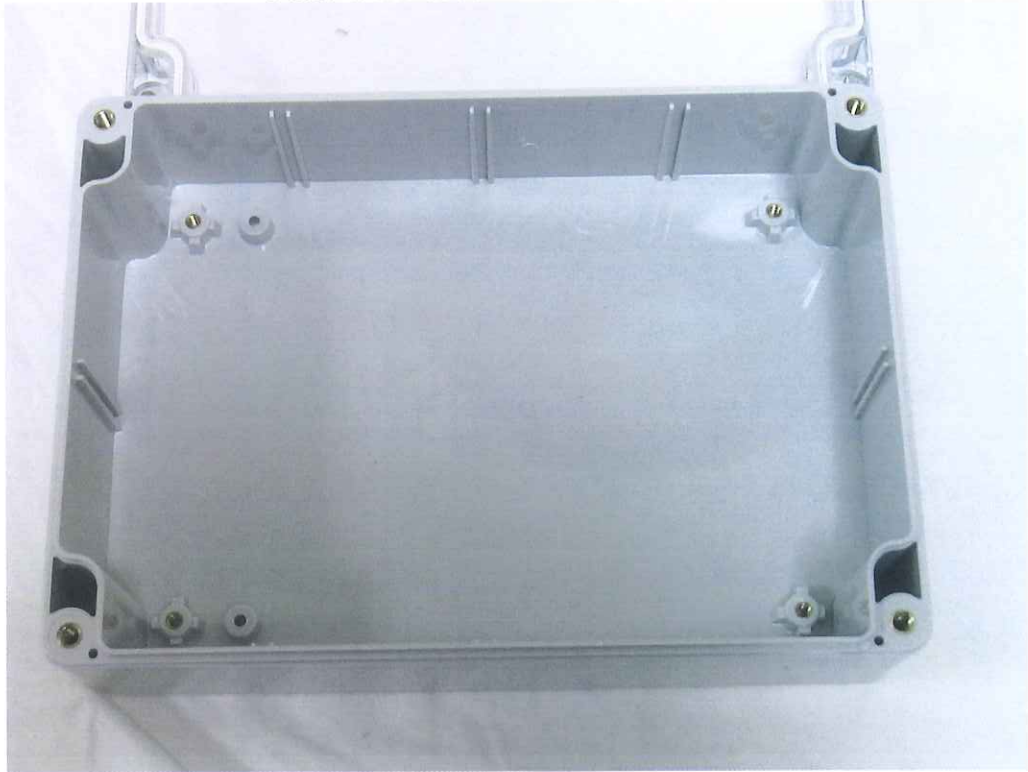
IPX7 Test.



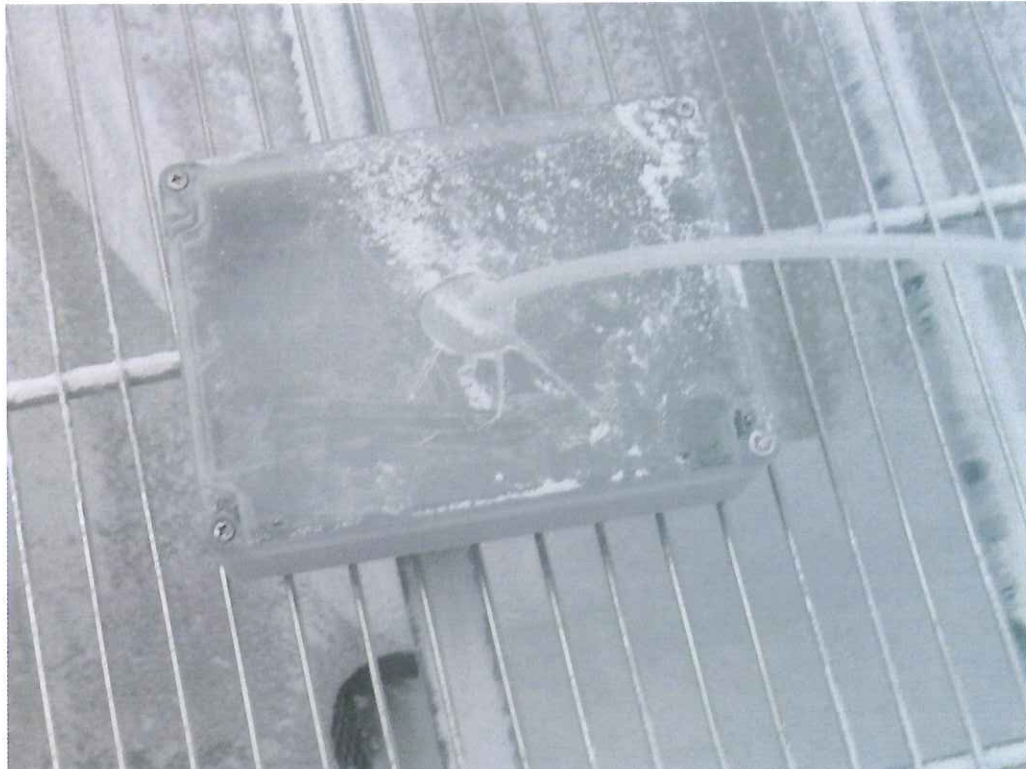
After IPX7 test : No water entered.



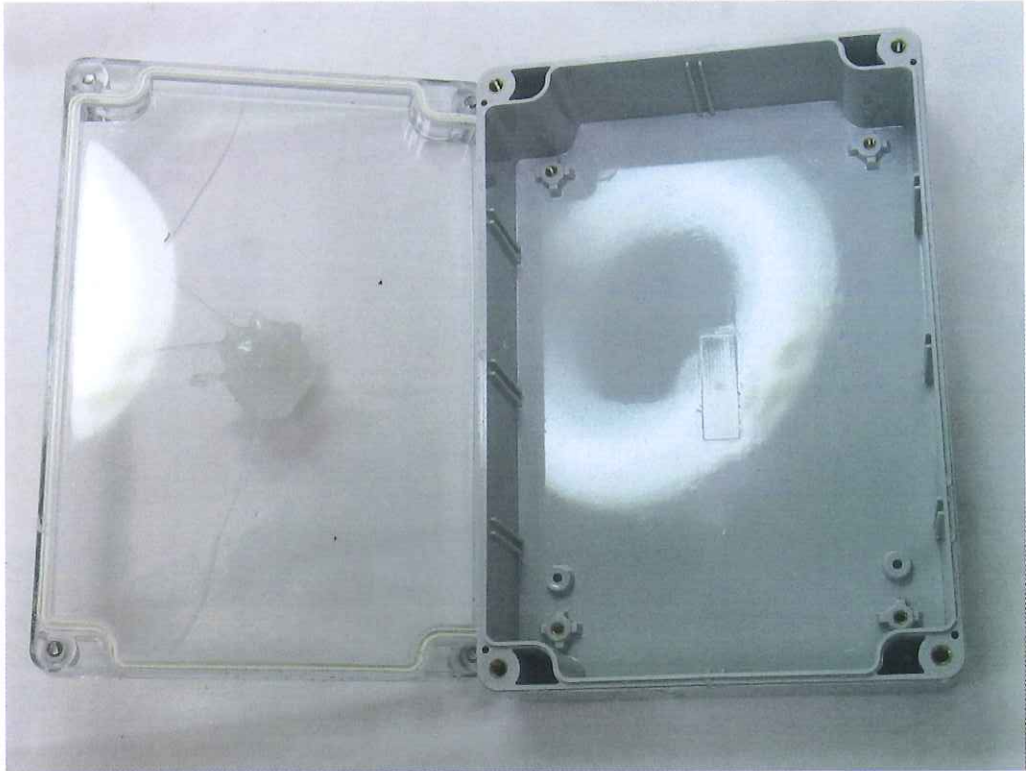
After IPX7 test : No water entered.



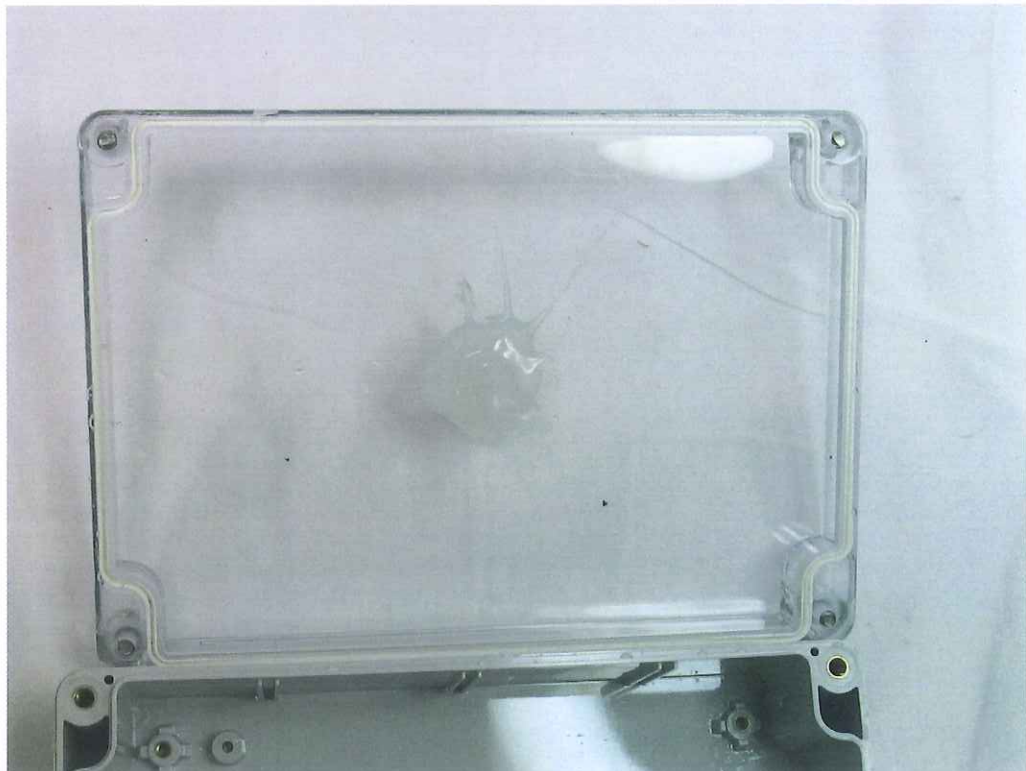
IP6X Test



After IP6X test : No dust entered .



After IP6X test : No dust entered .





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MODEL Difference: Series models daclared by applicant.

	Model	Dimension mm.	Material	Construction
1	G201C-IP67	64 x 58 x 35	POLYCARBONATE	Same
2	G203C-IP67	115 x 65 x 40	POLYCARBONATE	Same
3	G205C-IP67	115 x 65 x 55	POLYCARBONATE	Same
4	G212C-IP67	115 x 90 x 55	POLYCARBONATE	Same
5	G214C-IP67	171 x 121 x 55	POLYCARBONATE	Same
6	G218C-IP67	222 x 146 x 55	POLYCARBONATE	Same
7	G221C-IP67	115 x 90 x 80	POLYCARBONATE	Same
8	G223C-IP67	171 x 121 x 80	POLYCARBONATE	Same
9	G229C-IP67	195 x 80 x 55	POLYCARBONATE	Same
10	G232C-IP67	222 x 146 x 75	POLYCARBONATE	Same
11	G250C-IP67	52 x 50 x 35	POLYCARBONATE	Same
12	G256C-IP67	82 x 80 x 55	POLYCARBONATE	Same
13	G258C-IP67	160 x 80 x 55	POLYCARBONATE	Same
14	G265C-IP67	160 x 80 x 85	POLYCARBONATE	Same
15	G278C-IP67	120 x 120 x 60	POLYCARBONATE	Same
16	G279C-IP67	120 x 120 x 90	POLYCARBONATE	Same
17	G287C-IP67	160 x 160 x 60	POLYCARBONATE	Same
18	G288C-IP67	160 x 160 x 90	POLYCARBONATE	Same
※ COLOR LID: Clear , BASE: Light Grey.				



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MODEL Difference: Series models daclared by applicant.

	Model	Dimension mm.	Material	Construction
1	G200CMF-IP67	90 x 35 x 35	POLYCARBONATE	Same
2	G201CMF-IP67	64 x 58 x 35	POLYCARBONATE	Same
3	G203CMF-IP67	115 x 65 x 40	POLYCARBONATE	Same
4	G205CMF-IP67	115 x 65 x 55	POLYCARBONATE	Same
5	G212CMF-IP67	115 x 90 x 55	POLYCARBONATE	Same
6	G214CMF-IP67	171 x 121 x 55	POLYCARBONATE	Same
7	G218CMF-IP67	222 x 146 x 55	POLYCARBONATE	Same
8	G221CMF-IP67	115 x 90 x 80	POLYCARBONATE	Same
9	G223CMF-IP67	171 x 121 x 80	POLYCARBONATE	Same
10	G232CMF-IP67	222 x 146 x 75	POLYCARBONATE	Same
11	G250CMF-IP67	52 x 50 x 35	POLYCARBONATE	Same
12	G256CMF-IP67	82 x 80 x 55	POLYCARBONATE	Same
13	G258CMF-IP67	160 x 80 x 55	POLYCARBONATE	Same
14	G265CMF-IP67	160 x 80 x 85	POLYCARBONATE	Same
15	G278CMF-IP67	120 x 120 x 60	POLYCARBONATE	Same
16	G279CMF-IP67	120 x 120 x 90	POLYCARBONATE	Same

※ COLOR LID: Clear , BASE: Light Grey.



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MODEL Difference: Series models daclared by applicant.

	Model	Dimension mm.	Material	Construction
1	G201-IP67	64 x 58 x 35	POLYCARBONATE	Same
2	G203-IP67	115 x 65 x 40	POLYCARBONATE	Same
3	G205-IP67	115 x 65 x 55	POLYCARBONATE	Same
4	G212-IP67	115 x 90 x 55	POLYCARBONATE	Same
5	G214-IP67	171 x 121 x 55	POLYCARBONATE	Same
6	G218-IP67	222 x 146 x 55	POLYCARBONATE	Same
7	G221-IP67	115 x 90 x 80	POLYCARBONATE	Same
8	G223-IP67	171 x 121 x 80	POLYCARBONATE	Same
9	G229-IP67	195 x 80 x 55	POLYCARBONATE	Same
10	G232-IP67	222 x 146 x 75	POLYCARBONATE	Same
11	G250-IP67	52 x 50 x 35	POLYCARBONATE	Same
12	G256-IP67	82 x 80 x 55	POLYCARBONATE	Same
13	G258-IP67	160 x 80 x 55	POLYCARBONATE	Same
14	G265-IP67	160 x 80 x 85	POLYCARBONATE	Same
15	G278-IP67	120 x 120 x 60	POLYCARBONATE	Same
16	G279-IP67	120 x 120 x 90	POLYCARBONATE	Same
17	G287-IP67	160 x 160 x 60	POLYCARBONATE	Same
18	G288-IP67	160 x 160 x 90	POLYCARBONATE	Same

※ COLOR LID: Light Grey , BASE: Light Grey.



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MODEL Difference: Series models dactared by applicant.

	Model	Dimension mm.	Material	Construction
1	G200MF-IP67	90 x 35 x 35	POLYCARBONATE	Same
2	G201MF-IP67	64 x 58 x 35	POLYCARBONATE	Same
3	G203MF-IP67	115 x 65 x 40	POLYCARBONATE	Same
4	G205MF-IP67	115 x 65 x 55	POLYCARBONATE	Same
5	G212MF-IP67	115 x 90 x 55	POLYCARBONATE	Same
6	G214MF-IP67	171 x 121 x 55	POLYCARBONATE	Same
7	G218MF-IP67	222 x 146 x 55	POLYCARBONATE	Same
8	G221MF-IP67	115 x 90 x 80	POLYCARBONATE	Same
9	G223MF-IP67	171 x 121 x 80	POLYCARBONATE	Same
10	G232MF-IP67	222 x 146 x 75	POLYCARBONATE	Same
11	G250MF-IP67	52 x 50 x 35	POLYCARBONATE	Same
12	G256MF-IP67	82 x 80 x 55	POLYCARBONATE	Same
13	G258MF-IP67	160 x 80 x 55	POLYCARBONATE	Same
14	G265MF-IP67	160 x 80 x 85	POLYCARBONATE	Same
15	G278MF-IP67	120 x 120 x 60	POLYCARBONATE	Same
16	G279MF-IP67	120 x 120 x 90	POLYCARBONATE	Same

※ COLOR LID: Light Grey , BASE: Light Grey.



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Utilized testing equipments

used	Instrument I.D.	Equipment Name	Mfg.	Model No.	Calibration Date Last	Calibration DateDue
<input type="checkbox"/>	122	Test sphere(50mm) (IP1X)	FIMKO	EN 60529 Tab. VI A, 1.	2015/10/30	2018/10/29
<input type="checkbox"/>	118	Test sphere(12.5mm) (IP2X)	FIMKO	EN 60529 Tab. VII 2, 1.	2015/10/30	2018/10/29
<input type="checkbox"/>	120	Test probe C,2.5mm(D)x100mm(L) (IP3X)	FIMKO	EN 60529 Tab. VI C, 1.	2015/10/30	2018/10/29
<input type="checkbox"/>	119	Test probe D,1mm(D)x100mm(L) (IP4X)	FIMKO	EN60529/Ta b.VI D.1.	2015/10/30	2018/10/29
<input checked="" type="checkbox"/>	13549405-001	Dust Test Chamber (IP5X, IP6X)	T-MACHI NE	TMJ-9723C	2017/8/28	2018/8/27
<input type="checkbox"/>	13549001-001	Drip Box (IPX1, IPX2)	PTL	P 01.16	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Oscillating Tube Controller (IPX3, IPX4)	PTL	P 02.27	2018/8/1	2019/7/31
<input type="checkbox"/>	13549006-001	Spray nozzle (IPX3, IPX4)	ASIA	SNZ-1	2018/5/10	2019/5/9
<input type="checkbox"/>	13549001-001	Oscillating Tube (R200) (IPX3, IPX4)	ALAB	CH-R200	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Oscillating Tube (R400) (IPX3, IPX4)	PTL	P 02.51-065	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Oscillating Tube (R600) (IPX3, IPX4)	PTL	P 02.52-045	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Oscillating Tube (R800) (IPX3, IPX4)	ALAB	CH-R800	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Oscillating Tube (R1000) (IPX3, IPX4)	PTL	P 02.54-005	2018/8/1	2019/7/31
<input type="checkbox"/>	13549001-001	Hose Nozzle (IPX5, IPX6)	PTL	P 02.94	2018/8/1	2019/7/31
<input checked="" type="checkbox"/>	13549011-001	Water Butt (IPX7, IPX8)	T-MACHI NE	TMJ-9710C	NCR	NCR
<input checked="" type="checkbox"/>	---	Ruler	EK	1000 mm	2018/7/22	2021/7/21
<input checked="" type="checkbox"/>	53490201-001	Digital Thermometer	Yokogawa	2455	2018/6/29	2019/6/28
<input checked="" type="checkbox"/>	13480514-004	Digital Thermo Recorder	T&D	TR-73U	2018/6/12	2019/6/11
<input type="checkbox"/>	13500201-001	Pull/Push Gage	AIKOH	AE-50	2017/12/7	2018/12/6
<input checked="" type="checkbox"/>	---	Stop watch	Casio	HS-3	2017/8/29	2018/8/28
<input type="checkbox"/>	13035709-001	AC/DC Withstanding Voltage Tester	KIKUSUI	TOS 5301	2018/7/17	2019/7/16
<input checked="" type="checkbox"/>	13491036-001	TEMP/HUMI Recorder	ISUZU	TH-27R	2018/7/26	2019/7/25