



시험 성적서 TEST REPORT

페이지(page) : (1) / (Total 10)

성적서 번호 Report No.		ICRT-TR-R180198-0A	
신청자 Client	기관명 Name	KG AUTO CO.,LTD	
	주소 Address	9, Sinheung-ro 420 beon-gil, Bucheon-si, Gyeonggi-do	
시험대상품목 Sample description		Wireless remote controller	
모델명 Type designation		KG-R08AAAT	
정격 Ratings		-	
시험기간 Date of test		2018. 08. 13 ~ 2018. 08. 16	
시험방법/항목 Test Method/Item		IEC 60529 : 2013 (IP65)	
시험결과 Test Results		Reference to see Table 4)	
확인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성명 권상혁 Name S. H. Gwon	(서명) (Signature)	성명 이우범 Name W. B. Lee (서명) (Signature)

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2018. 08. 20

주식회사 아이씨알 대표이사

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ICRT-QP-22-02 Rev.5

G4B(www.g4b.go.kr)진위확인코드 : rRA0KyjVwtA=





1. Specimen Information

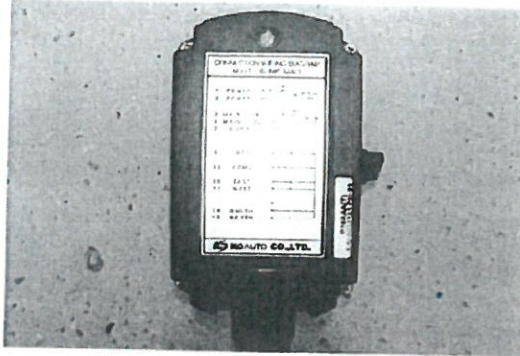


Figure 1) Photo of the specimen

Product name	Model	Ratings	Note
Wireless remote controller	KG-R08AAAT	-	-

Table 1) Specimen information

- Applicable model
 - KG-R08AAAD, KG-R08AAA, KG-R08CAA, KG-R08CCA, KG-R08CCC, KG-R08CAAT, KG-R08CCAT, KG-R08CCCT, KG-R08CAAD, KG-R08CCAD, KG-R08CCCD



2. Test Item & Condition

2-1) Dust Test

2-1-1) Test Specification : IEC 60529 - 2013 (IP6X)

2-1-2) Test Method

- a) Put the specimen into the dust chamber.
- b) Connect the inside of the specimen to the vacuum pump of the dust chamber.
- c) The test is carried out under the test conditions given in Table 2).
- d) After completion of the test, Remove dust on the specimen surface.

2-1-3) Test Judgment

- a) Visually check the dust penetration inside the specimen.

Kind of dust	Density of dust	Specimen decompression	Test time
Talc powder	2 kg/m ³	2 kPa or less	8 h

Table 2) Test condition (IP6X)

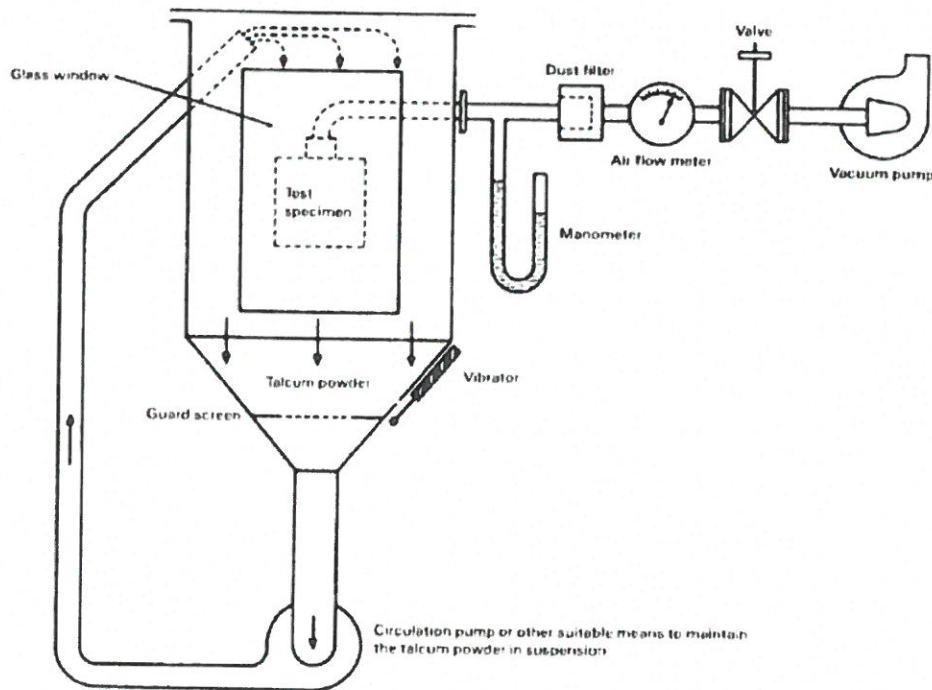


Figure 2) Test device to verify protection against dust (Dust chamber)





2-2) Waterproof test

2-2-1) Test Specification : IEC 60529 - 2013 (IPX5)

2-2-2) Test Method

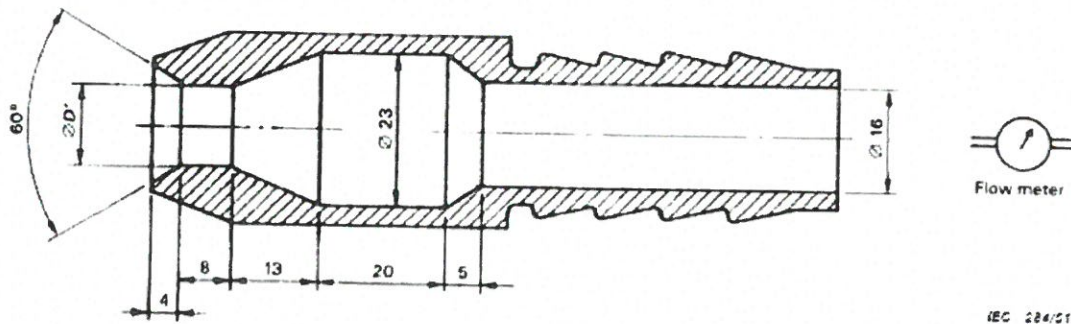
- a) Fix the specimen on the test bed.
- b) Fix spray nozzle of test equipment at (2.5 ~ 3) m distance from specimen.
- c) The test is carried out under the test conditions given in Table 3).
- d) After completion of the test, Remove water on the specimen surface.

2-2-3) Test Judgment

- a) Visually check the water penetration inside the specimen

Nozzle diameter	Distance from nozzle	Water flow rate	Test time
6.3 mm	(2.5 ~ 3) m	12.5 L/min \pm 5 %	1 min/m ² (Minimum time 3 min)

Table 3) Test condition (IPX5)



IEC 224/01

Dimensions in millimetres

$D' = 6.3$ for the test of 14.2.5 (second characteristic numeral 5)

$D' = 12.5$ for the test of 14.2.6 (second characteristic numeral 6)

Figure 3) Test device to verify protection against water jets (Hose nozzle)



3. Photo of test

3-1) IP6X Test

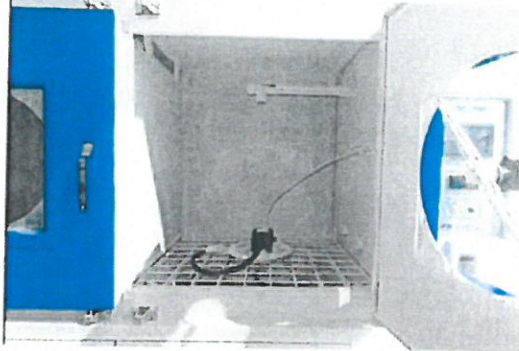


Figure 4) Photo of the specimen set up

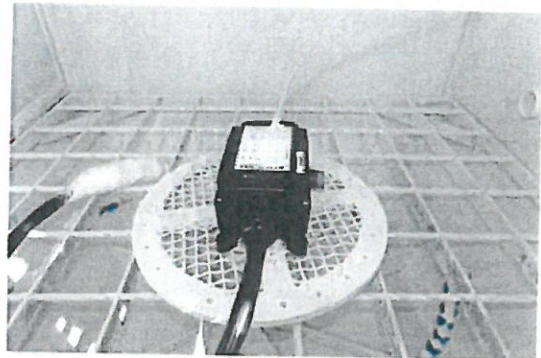


Figure 5) Photo of the specimen set up (Enlarge)

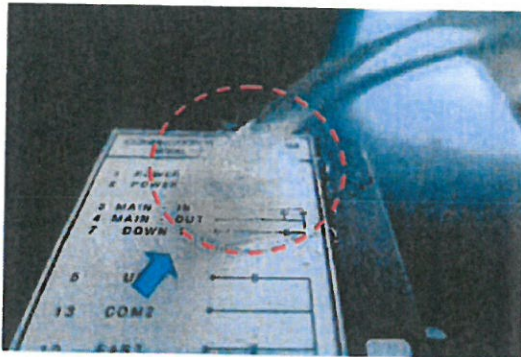


Figure 6) Photo of the specimen set up
(Pressure reducing hose installation)

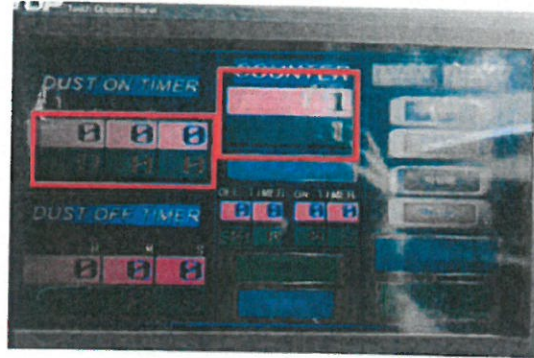


Figure 7) Photo of the test condition
(Test time)

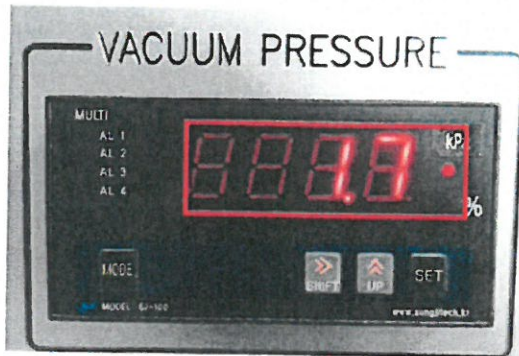


Figure 8) Photo of the test condition
(Decompression)

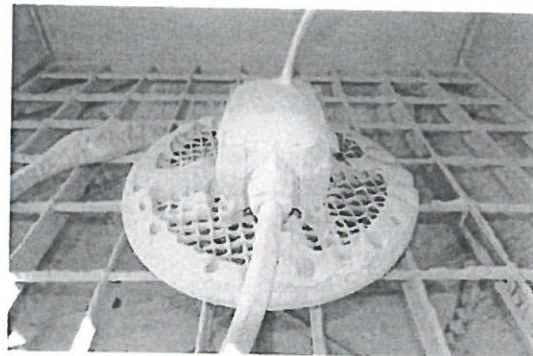


Figure 9) Photo of the specimen set up
(After of the test)





3-2) IPX5

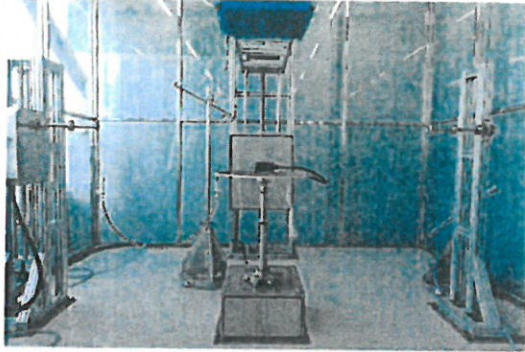


Figure 10) Photo of the specimen set up

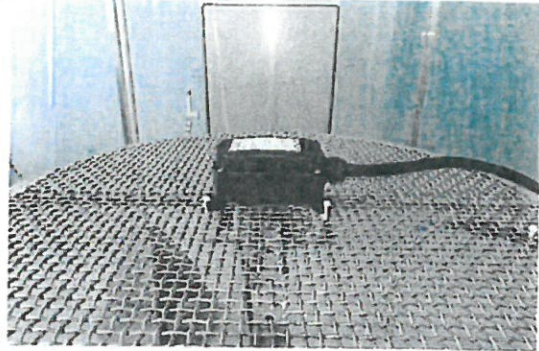


Figure 11) Photo of the specimen set up (Enlarge)

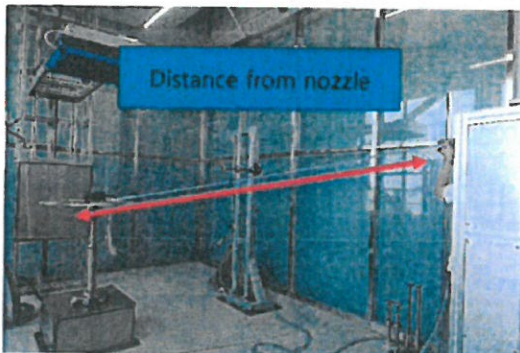


Figure 12) Photo of the specimen set up
(Distance from nozzle)



Figure 13) Photo of the specimen set up
(Distance from nozzle, Enlarge)

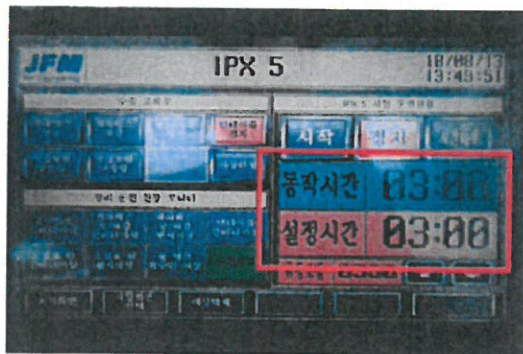


Figure 14) Photo of the test condition

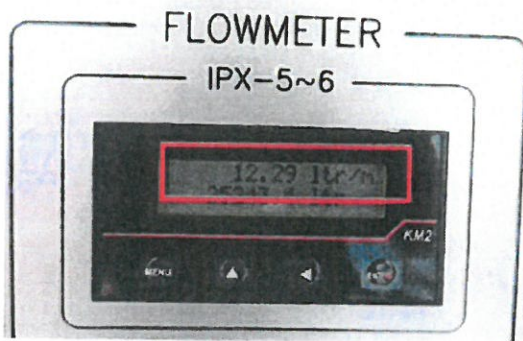


Figure 15) Photo of the test condition



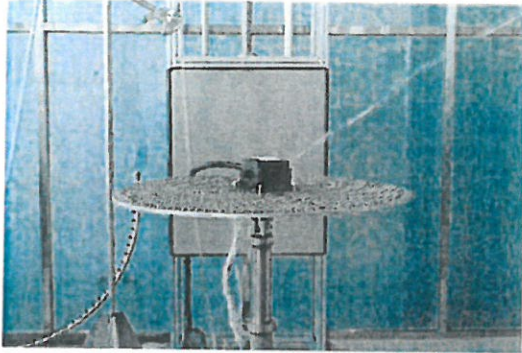


Figure 16) Photo of the specimen set up
(During the test)

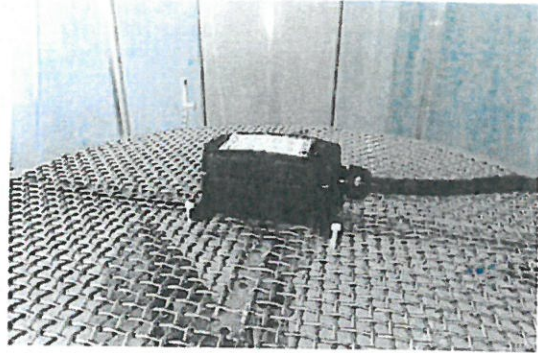


Figure 17) Photo of the specimen set up
(After of the test)





4. Test result



Figure 18) Photo of the specimen after the test
(IP6X, #1)

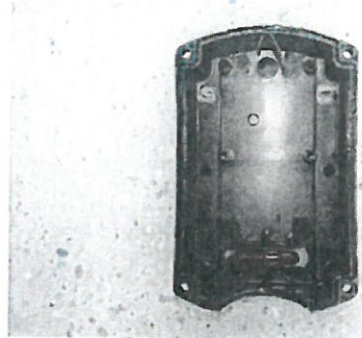


Figure 19) Photo of the specimen after the test
(IP6X, #2)



Figure 20) Photo of the specimen after the test
(IPX5, #1)



Figure 21) Photo of the specimen after the test
(IPX5, #2)





Test item	Test result	Note
IP6X	No dust penetration inside the tester	Visual inspection and operation confirmation
IPX5	No water penetration inside the tester	

Table 4) Test result

5. Test equipment

Equipment name	Model Name	Manufacture	Next Calibration data
Dust test chamber	JFMD-0004	JFMTECH / KOREA	2018. 11. 20
Waterproof tester	JFMB-008-IPX	JFMTECH / KOREA	2019. 01. 31
Tape measure	KMC-34 (5.5 m * 19 mm)	KOMELON / CHINA	2019. 10. 11

END.





※ Appendix
- Product drawing

