



**1. Client**

oName: KG AUTO CO., LTD

oAdress: 45,Sojeongsandan 4-ro, Sojeong-myeon, Sejong-si, Republic of Korea

**2. Manufacturer**

oName: KG AUTO CO., LTD

oAdress: 45,Sojeongsandan 4-ro, Sojeong-myeon, Sejong-si, Republic of Korea

**3. Sample Description**

oName: REMOTE CONTROLLER

oModel: KG - R08AAAT

oRating: IP55

4. Date of test: 2021.06.29 - 2021.06.30



5. Test method used: IEC 60529:1989+A1:1999+A2:2013

6. Test results: Pass

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This laboratory is not accredited for the test results makred \*.

If you want verify the authenticity of the test report, please contact Standard LaBs.

Affirmation	Tested by Name (Signature): D. H. Ahn 	Tested by Name (Signature): S. J. Lee 
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2021. 07. 02

**Standard LaBS** Representative (Signature) 

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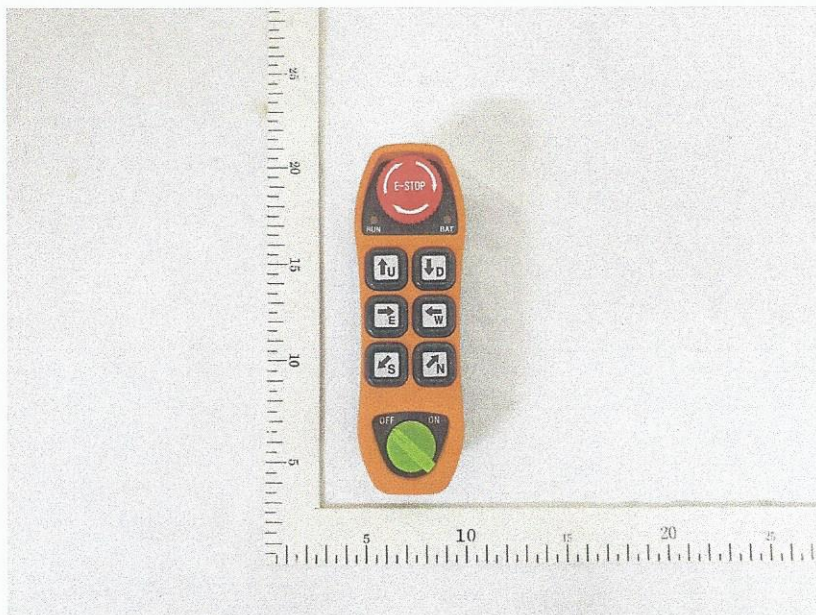


## 1. Product

### 1.1 Description of product

Items	Specification
Product name	REMOTE CONTROLLER
Basic model	KG - R08AAAT
Family models	-

### 1.2 Photograph of product





## 2. Test and Results

### 2.1 Dust test

Items	Descriptions
1 <sup>st</sup> characteristic numeral	5
Enclosure category	<input checked="" type="checkbox"/> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 1 and Category 2
Test conditions	<ul style="list-style-type: none"> <li>• Square-meshed sieve</li> <li>- Wire diameter: 50 μm, Width of a gap between wires: 75 μm</li> <li>• Amount of talcum powder of the test chamber: 2 kg/m<sup>3</sup></li> </ul>
Test Method	<p>Category 1</p> <p><input type="checkbox"/> If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2h.</p> <p><input checked="" type="checkbox"/> If, with a maximum depression of 2 kPa (20 mbar), the extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn through, or a period of 8 h has elapsed.</p> <p>Category 2</p> <p><input type="checkbox"/> The enclosure under test is supported in its normal operating position inside the test chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall be left open for the duration of the test. The test shall be continued for a period of 8 h.</p>
Acceptance criteria	Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety
Results	No dust penetration inside of enclosure <span style="float: right;"><b>Pass</b></span>

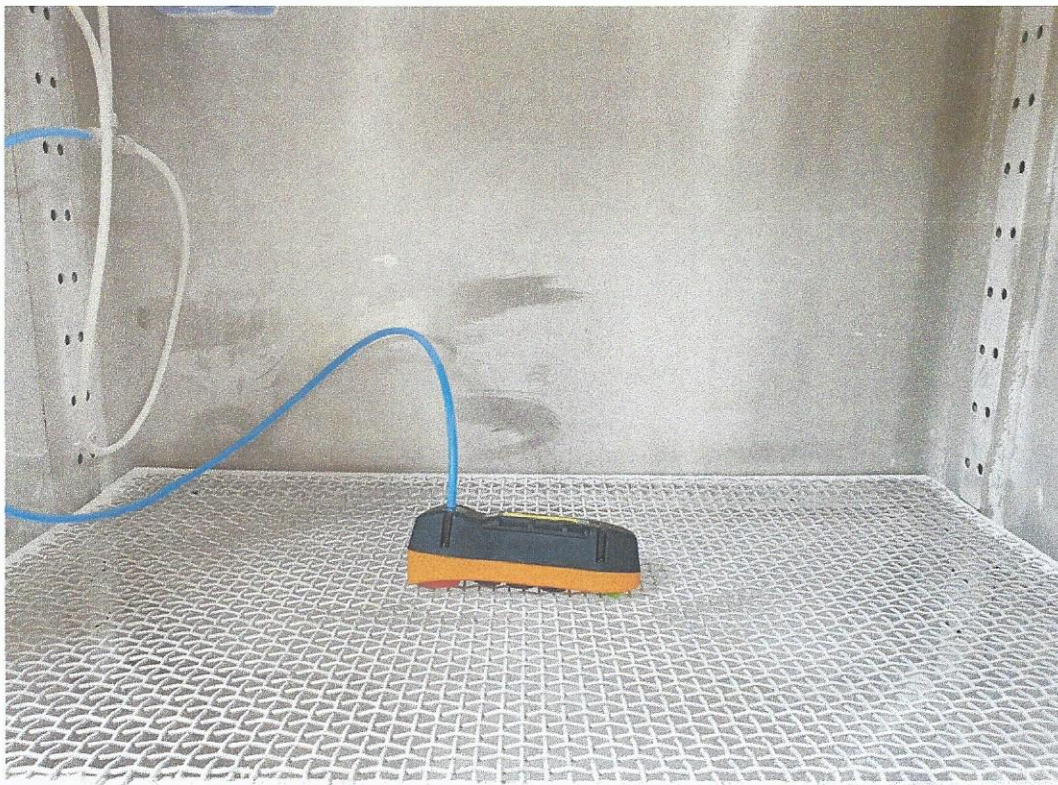
### 2.2 Waterproof test

Items	Descriptions
2 <sup>nd</sup> characteristic numeral	5
Test conditions	<ul style="list-style-type: none"> <li>• Internal diameter of the nozzle: 6,3 mm</li> <li>• Delivery rate: 12,5 l/min ± 5 %</li> <li>• minimum test duration: 3 min</li> </ul>
Test Method	<ul style="list-style-type: none"> <li>• Water pressure: to be adjusted to achieve the specified delivery rate</li> <li>• Distance from nozzle to enclosure surface: between 2,5 m and 3 m</li> </ul>
Acceptance criteria	Water projected in jets against the enclosure from any direction shall have no harmful effects
Results	No water penetration inside of enclosure <span style="float: right;"><b>Pass</b></span>



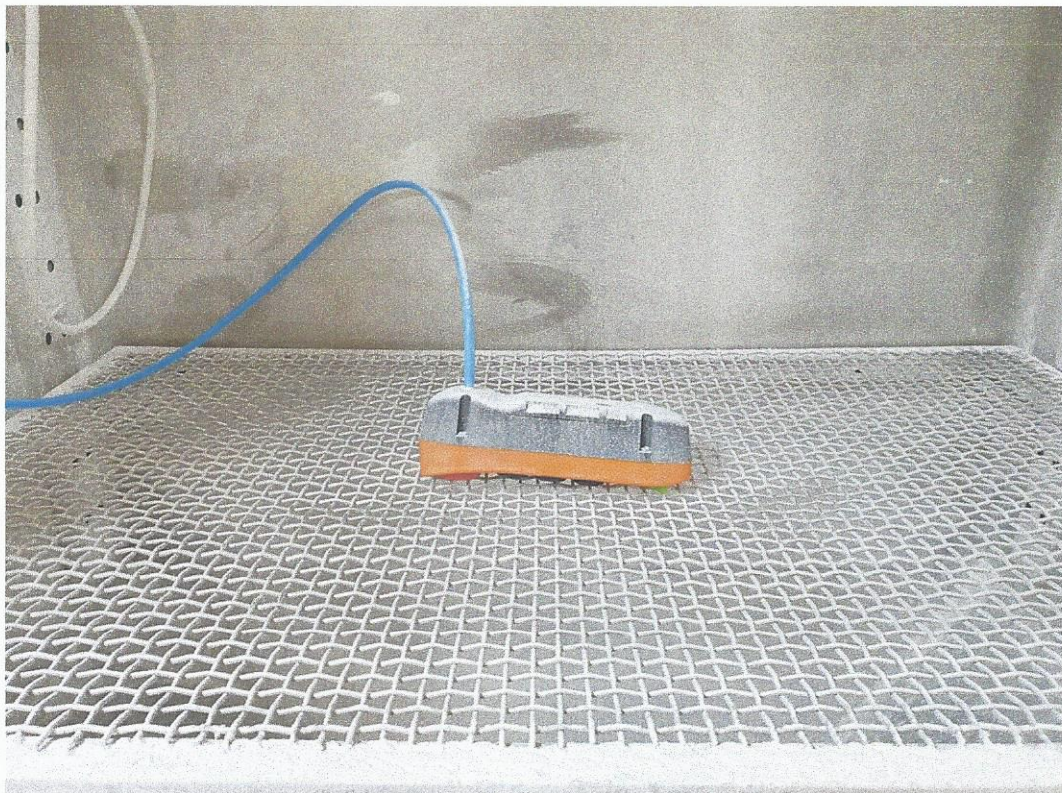


### 3. Photographs



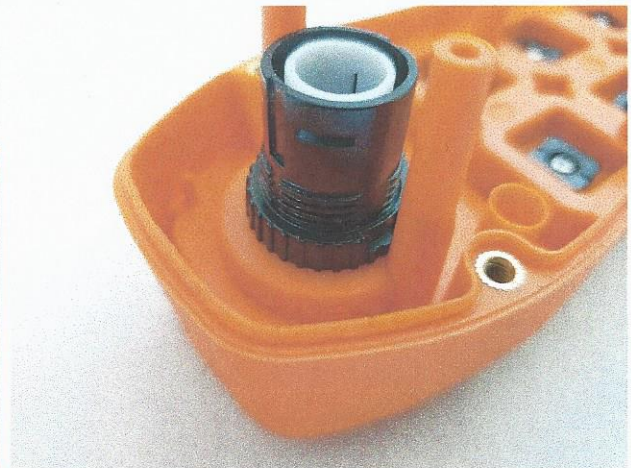
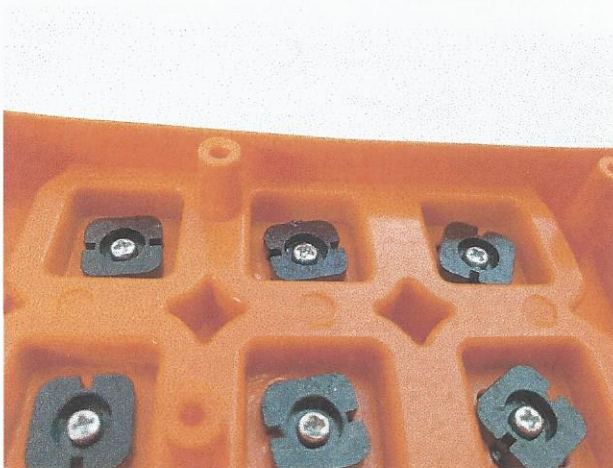
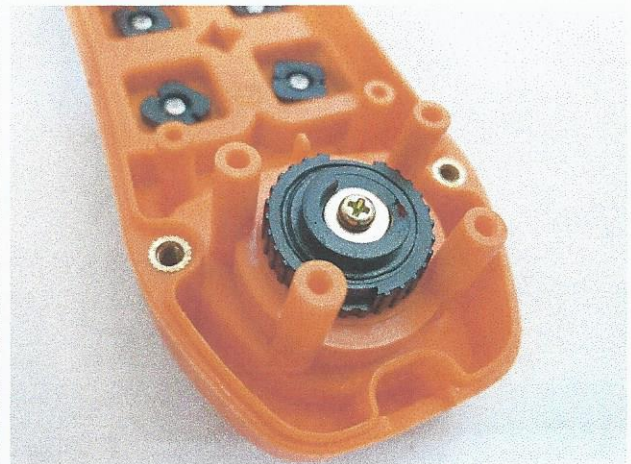
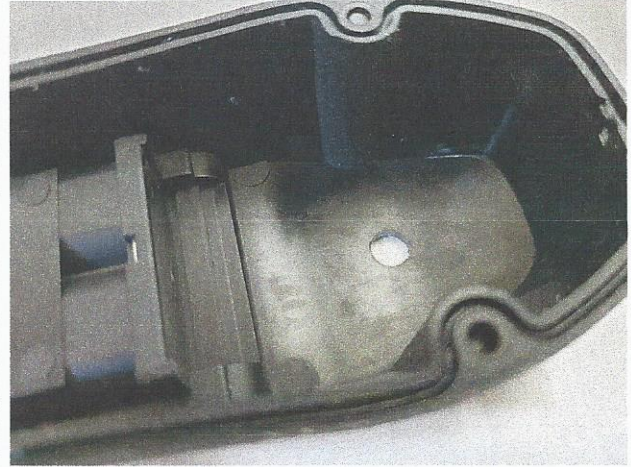
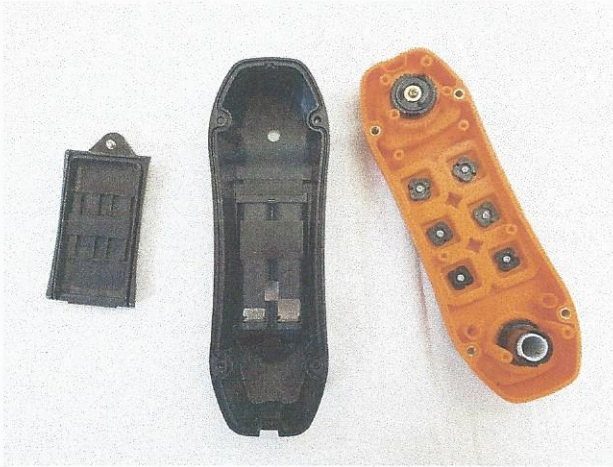
[Photo 1 - before dust test]



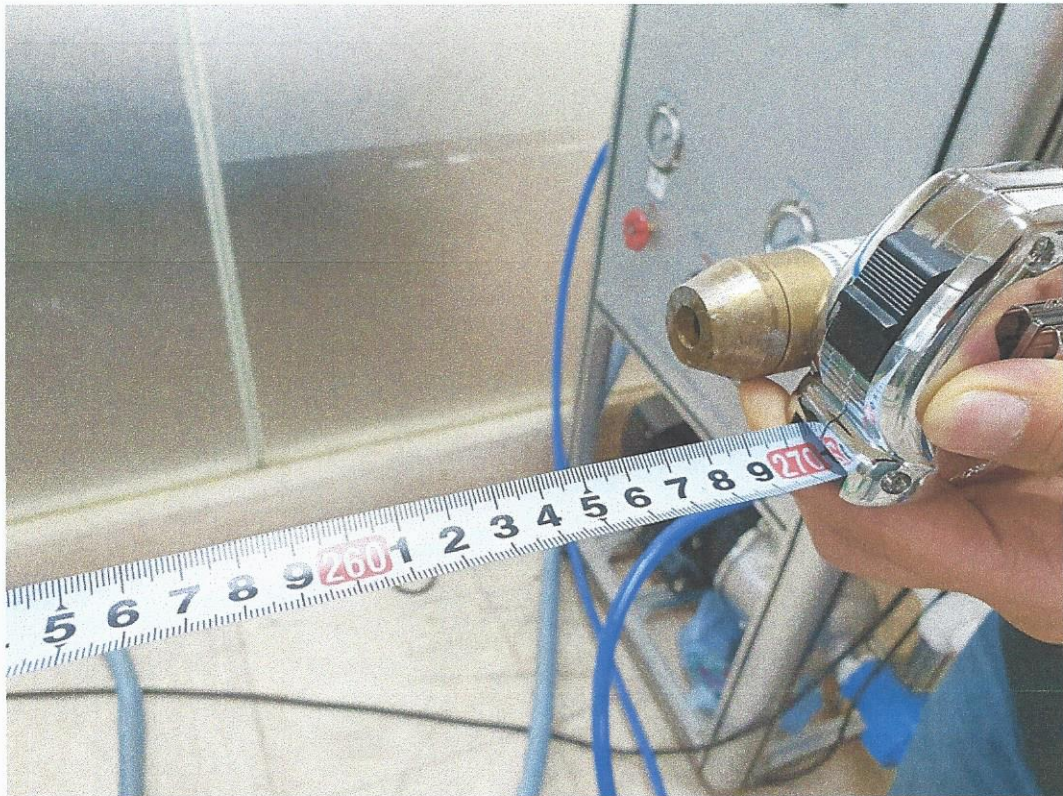


[Photo 2 - after dust test]





[Photo 3 – Product (after the dust test)]



[Photo 4 - waterproof test setting]

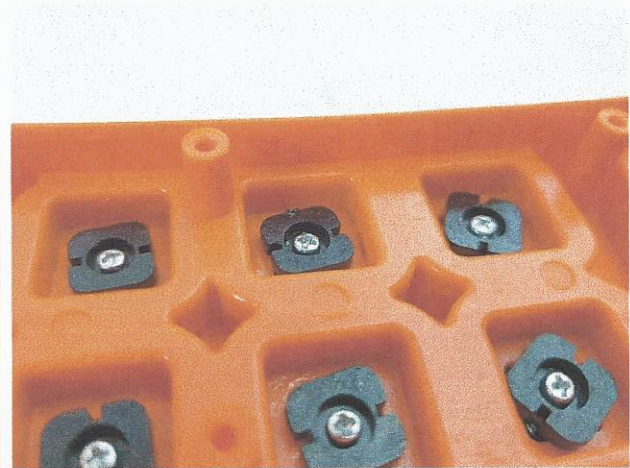
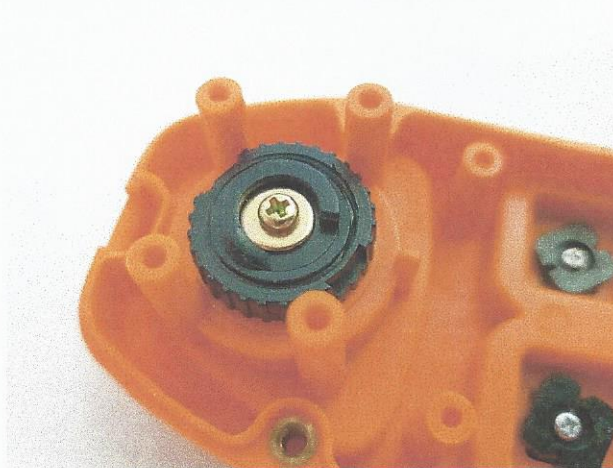
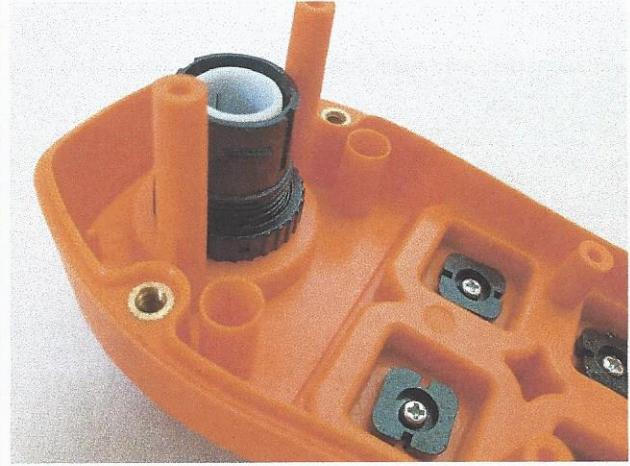






[Photo 5 - during the waterproof test]





[Photo 6 - Product (after the waterproof test)]





#### 4. Test equipments

Name of equipment	Model	Manufacturer	Serial No.	Date of calibration
Sand & Dust Test chamber	RH18501C	Guangzhou Sunho Electronic	RH0290817	2022-01-12
Water spray test device	RH18104 (Ø 6.3mm)	-	RH5060917	2022-01-15
Water supply system	RH18109B	Rehoboth testing equipment limited	RH0300817	2022-01-12
Tape Measure	5M	KOMELON	1705522	2022-02-25

----- The end of test report -----

