

TEST REPORT

Report No.: HCN0107A/2023
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 Date: November 28, 2023

ZEBEX INDUSTRIES INC.
 B1F. -1, NO. 207, SEC. 3, BEIXIN RD.,
 XINDIAN DIST., NEW TAIPEI CITY, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: 2D Image Hands-Free Scanner
Style/ Item No.: Z-6012GT/ No.1
Manufacturer/Vendor: ZEBEX Industries Inc.
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Nov. 21, 2023

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.2: 2013)

IP Code	IPX5
First characteristic numeral	Omitted
Second characteristic numeral	Degrees of protection against ingress of water

Test Results:

Conclusion
Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.2: 2013 Degrees of Protection Provided by Enclosures--IPX5 The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of
SGS TAIWAN Ltd.

Ivan Wang

Ivan Wang
 Team Leader

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Test for Degrees of Protection Provided by Enclosures:Test Equipment:

Name	Brand	Model	Serial No.
IPX5 Water Jet Hose Nozzle Set	PTL	P03.26	5050565
Microprocessor Thermometer	Omega	HH23	T-239145

Lab Environmental Conditions:

Ambient temperature: (15 ~ 35) °C
 Ambient humidity: (25 ~ 75) % RH
 Ambient pressure: (86 ~ 106) kPa

Test Location: No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New Taipei City, Taiwan

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013--IPX5

Test for protection against water:

Sample condition: Non-Operating

Test means: Spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle as specified in test standard.

Internal diameter

of the nozzle: 6.3 mm

Delivery rate: 12.5 l/minute ±5%

Distance from nozzle

to enclosure surface: between 2.5 m and 3 m

Core of the substantial

stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle

Test duration: Total 3 minutes (Front/ Rear/ Left/ Right/ Top/ Bottom face, each face 30 seconds)

- Examine the protection against ingress water of specimen(s) after this test.

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Specimen:

Style/ Item No.: Z-6012GT/ No.1

Quantity: Total 1 piece

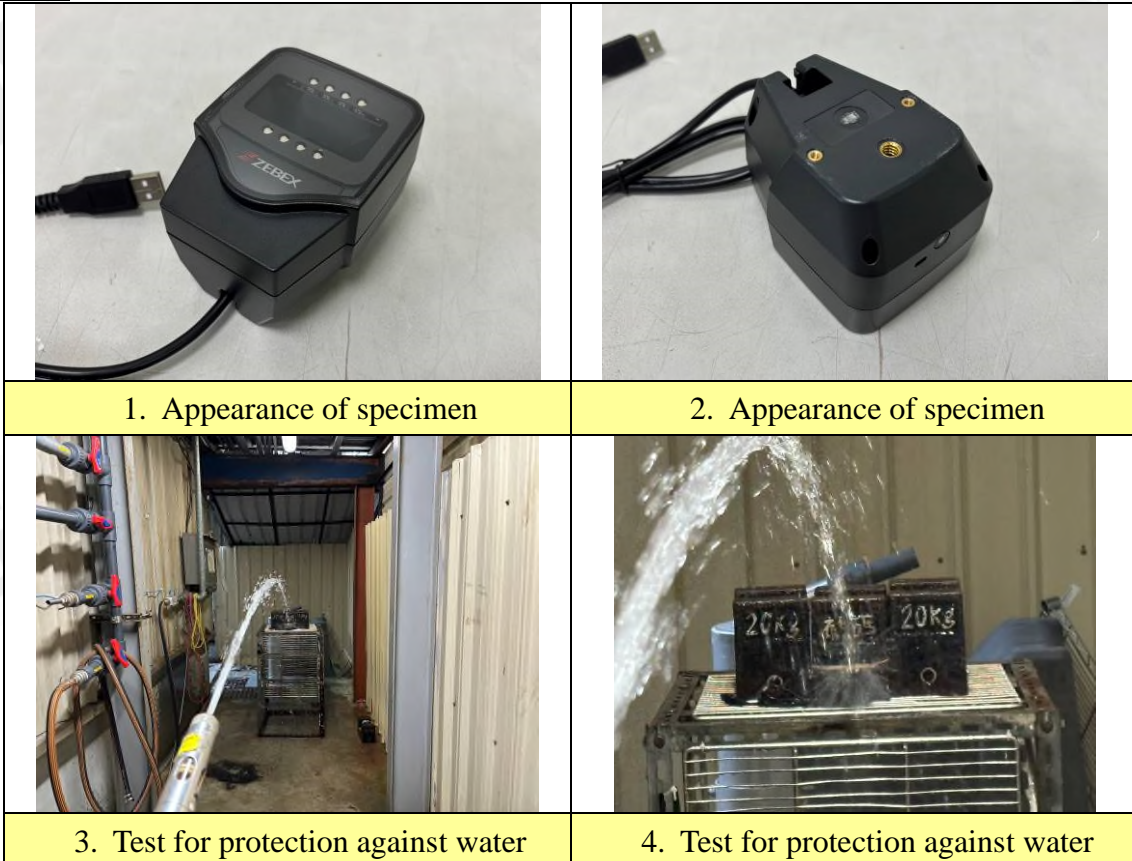
Test Result:

Degree of protection against ingress of water (IPX5)

Test Result		
Check Item		Style/ Item No.
		Z-6012GT/ No.1
1	Does any water enter the enclosure?	No
2	(followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts?	N/A
2.1	(followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety?	N/A
2.2	(followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creepage distances?	N/A
2.3	(followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet?	N/A
<p>Note 1: N/A means “Not Applicable”.</p> <p>Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.</p>		

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Test Photos:



— — — The End of Test Report — — —

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