

TEST REPORT

Report No.: HC90196B/2020
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 Date: October 19, 2020

IO-POWER TECHNOLOGY CO., LTD.
 1F., NO. 100, JINZHU RD., NORTH DIST.,
 HSINCHU CITY, TAIWAN

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

Product Description: IP69 Waterproof and Corrosion-resistant and Wind-resistant and Anti-interference Aluminum Alloy Die-casting case
 IOP-WMDC-1P1L6N4N-T (Toppan Cover) EV1
Style/ Item No.: IOP-WMDC-1P1L6N4N-T / No.1
Manufacturer/Vendor: IO-Power Technology Co., Ltd.
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Sep. 25, 2020

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	IPX9
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--IPX9 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.
Waterproof Test Chamber	T-MACHINE	TMJ-9710A	T-10-120304

Lab Environmental Conditions:

Ambient temperature: (15 ~ 35)°C

Ambient humidity: (25 ~ 75) % RH

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--IPX9

Sample condition: Non-Operating

Water temperature: (80 ± 5) °C

Water pressure: (8 ~ 10) MPa

Table rotation speed: (5 ± 1) rpm

Water flow rate: (14 ~ 16) L/min

Reference point: 0°, 30°, 60°, 90°

Test duration: 30 seconds/ position

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

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Specimen:

Style/ Item No.: IOP-WMDC-1P1L6N4N-T / No.1

Quantity: Total 1 piece

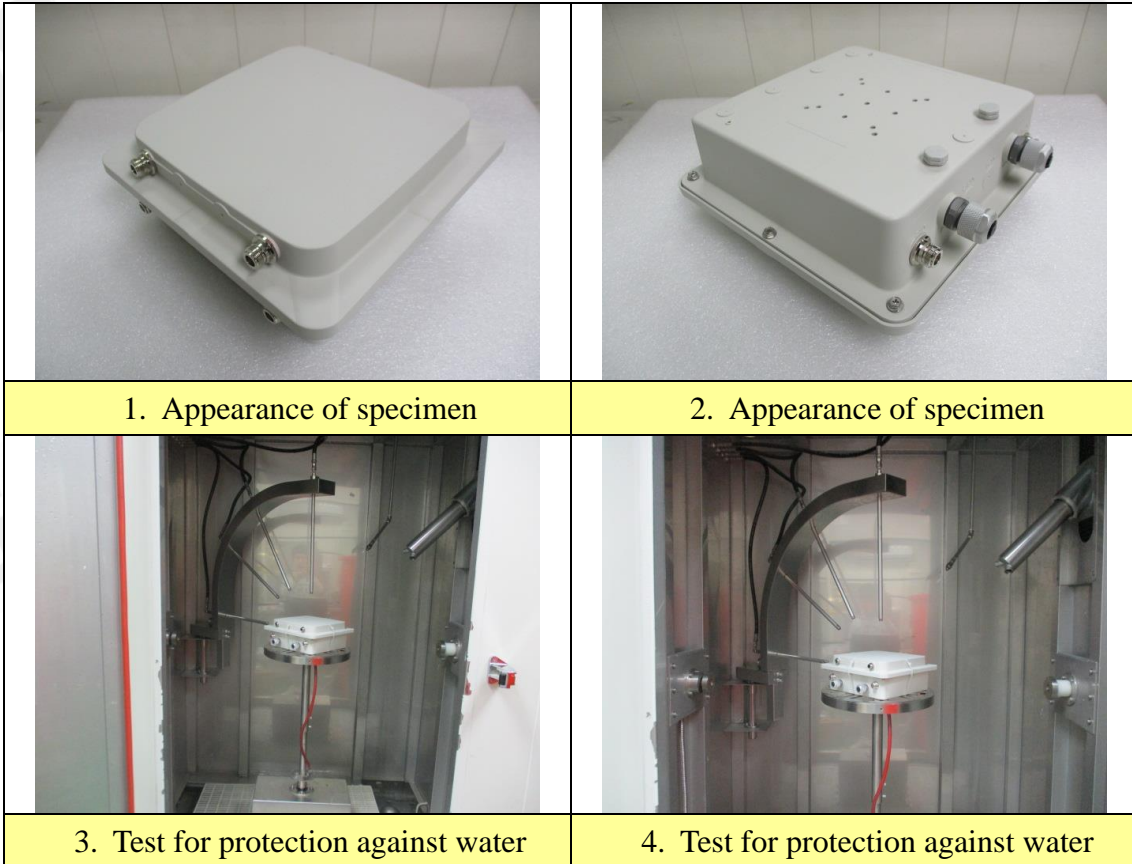
Test Result:

Degree of protection against ingress of water (IPX9)

Test Result		Style/ Item No.
Check Item		IOP-WMDC-1P1L6N4N-T / 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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