

Test Report

Number : 180900015TWN-001

Date : Sep. 11, 2018

Applicant: ACTI CORPORATION
7F., No.1, Aly. 20, Ln. 407, Sec. 2, Tid
Neihu Dist., Taipei City ,
Taiwan. (R.O.C.)

Sample Description:

Three (3) units of submitted samples said to be :

Item Name : Outdoor Dome

Item No. : E710, E79

Quantity : 3 units

Date Sample Received : Sep. 3, 2018

Date Test Started : Sep. 4, 2018

Tests Conducted:

As requested by the applicant, for details please refer to attached pages.

Test Sample:

Sample No. : P180900014

Standard:

External Mechanical Impacts (IK 10) - With reference to IEC 62262

Powerful Jetting Test-IPX6 - With reference to IEC/EN 60529 IPX6

Dust Test-IP6X - With reference to IEC/EN 60529 IP6X

Test result:

See test conducted

Authorized by:
On Behalf of Intertek Testing Services
Taiwan Limited



Sammy Wu
Director

Reviewed by:



Simon Lu
Assistant Manager

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Test Conducted

External Mechanical Impacts (IK 10)

Tested Sample: Sample 1

Test Equipment:

Equipment : IK tester
Manufacturer : Tidi Tech Instruments Co.,Ltd.

Laboratory Ambiance Condition:

Temperature : 15 ~ 35 °C
Humidity : 25 ~ 75 %RH

Reference Document:

The test was performed with reference to IEC 62262

Peripheral Set-up Diagram:

- Sample size: 1 unit
- Sample photo before the test:



- Setup photo:



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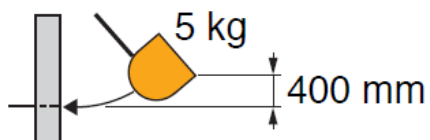
Test Conducted

External Mechanical Impacts (IK 10)

Test Condition:

- Non operation test
- Test energy: 20.0 joules
- Equivalent mass: 5.0 kg
- Fall height: 400 mm
- Number of impacts: 3 times/point

(IK10)



-Test point:



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Test Conducted

External Mechanical Impacts (IK 10)

Test Procedures:

- Check the sample's appearance before the test.
- Install the sample on testing table and set up testing condition.
- After testing, take off sample from table and put it in the storage area.
- Observe the sample and record for any visible change after testing.

Summary:

- No visible damage was found on sample appearance after the test.
- Sample photo after the test:



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Powerful Jetting Test-IPX6

Tested Sample: Sample 2

Test Equipment: IPX6 Tester

Laboratory Ambiance Condition:

Temperature : 15 ~ 35 °C
Humidity : 25 ~ 75 %RH

Reference Document:

The test was performed with reference to IEC/EN 60529 IPX6

Peripheral Setup Diagram

- Sample size: 1 unit
- Sample photo before the test:



- Setup photo:



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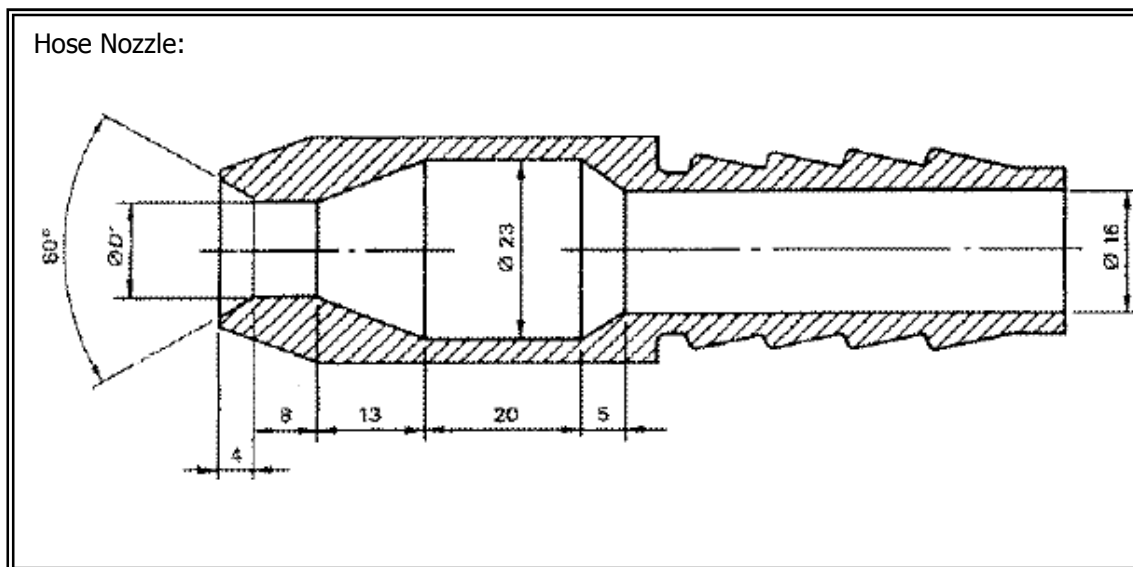
Date : Sep. 11, 2018

Test Conducted

Powerful Jetting Test-IPX6

Test Condition:

- Test face: Front side
- Non-operating test
- Internal Diameter of the Nozzle: 12.5 mm
- Delivery rate: 100 liter/minute
- Pressure: to be adjusted to achieve the specified delivery rate.
- Core of the substantial stream: Circle of approximately 120 mm diameter at 2.5 meters distance from nozzle.
- Test duration: 3 minutes
- Distance from nozzle to enclosure surface: 2.5 ~ 3 meters



Test Procedure:

- Check the sample's appearance before the test.
- Put the sample into the chamber and setup testing condition.
- After testing, take out sample from chamber and put it in the storage area.
- Observe the sample and record for any visible change after testing.

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Powerful Jetting Test-IPX6

Summary:

- No visible damage was found after the test.
- Checking of sample inside after the test was conducted by the applicant per applicant's request.
No water penetrated into tested sample.
- Sample photo after the test:



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Dust Test-IP6X

Tested Sample: Sample 3

Test Equipment:

Equipment : Dust Test Chamber
Manufacturer : PTL
Model Number : 14.41

Laboratory Ambiance Condition:

Temperature : 15 ~ 35 °C
Humidity : 25 ~ 75 %RH

Reference Document:

The test was performed with reference to IEC/EN 60529 IP6X

Peripheral Setup Diagram:

- Sample size: 1 unit
- Sample photo before the test:



- Setup photo:



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Test Conducted

Dust Test-IP6X

Test Condition:

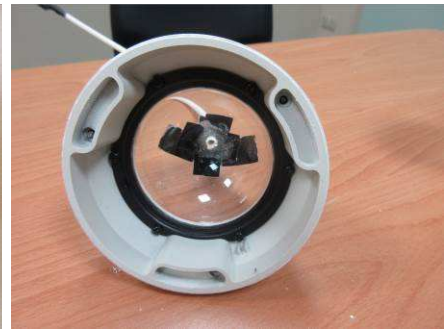
- Talcum powder size: < 0.075 mm
- The amount of talcum powder: 2 kg per cubic meter
- Under pressure: 20 mbar
- Test duration: 8 hours

Test Procedure:

- Check the sample's appearance before the test.
- Install the sample to the chamber and setup testing condition.
- After testing, take out sample from the chamber.
- Observe the sample and record for any visible change after testing.

Summary:

- No visible damage was found after the test.
 - Checking for the inside of tested sample after testing is conducted by the applicant per applicant's request.
- No dust penetrated into tested samples.
- Sample photo after the test:



End of Report

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