

TEST REPORT



Report No. : 17-034380-01-2

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1. Client

Name : YOUNG TECH Co., Ltd

Address : 81, Hwanggeum-ro 89beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea

Date of Receipt : 2017. 06. 05

2. Use of Report : For Quality Control

3. Test Sample

Description : IP CONVERTER

Manufacturer : YOUNG TECH Co., Ltd.

Model Name : YT-930

Serial Number : -

Remark : -

4. Date of Test : 2017. 06. 15. ~ 2017. 06. 16.

5. Test Standard/Method : IEC 60529: 2001

6. Testing Environment : Temperature : (24.1 ± 2.0) °C , Humidity : (37 ± 2) % R.H.

7. Test Results : Pass (IP66)

Note : 1. The test results contained apply only to the test sample(s) supplied by the client
2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

| | | |
|-------------|-------------------------------------|-----------------------------------|
| Affirmation | Tested by | Technical Manager |
| | Name : Chae Hui-dong (Signature) | Name : Kim Ji-hoon (Signature) |

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA

2017. 06. 21

Korea Testing Laboratory

Accredited by KOLAS, Republic of KOREA



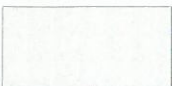
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FP202-03-03

* 위 마크는 추후 전자확인증 대조 프로그램에서 원본대조시 사용되는 2D코드입니다.

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1. Summary of Test

1.1 Test Standard

This test was conducted in accordance with "IEC 60529: 2001".

1.2 Test Sample

- Description : IP CONVERTER
- Model Name : YT-930
- Dimensions : 131 mm × 124.2 mm × 123.7 mm



[Fig. 1: Front]



[Fig. 2: Side]

1.3 Test Environment

- Temperature : $(24.1 \pm 2.0) ^\circ\text{C}$
- Humidity : $(37 \pm 2) \% \text{ R.H.}$
- Atmospheric Pressure : $(100.1 \pm 2.0) \text{ kPa}$

1.4 Remark

N/A.

2. Results

| Code Letters | IP | Conditions | Results |
|---|----|---|---------|
| 1st Characteristic numerals Against ingress of solid foreign objects | 6 | 2.1 Dust Test Conditions <ul style="list-style-type: none"> Talcum powder(mesh) wire diameter: 50 μm Talcum powder(mesh) wire width: 75 μm Amount of talcum powder of the test chamber: 2 kg/m^3 2.2 Dust Test Contents <ul style="list-style-type: none"> Volume of the enclosures: About 700 cm^3 Reduction air pressure: -2.00 kPa (-200 mmH_2O) Flow rate: 0.00 L/min Extraction rate per hour: 0 volumes/h Test duration: 8 h | Pass |
| 2nd Characteristic numerals Against ingress of water with harmful effects | 6 | 2.3 Water Test Conditions <ul style="list-style-type: none"> Internal diameter of the nozzle: 12.5 mm Delivery rate: (100 \pm 5) L/min Core of the substantial stream: Circle of 120 mm diameter at 2.5 m distance from the nozzle Distance from nozzle to enclosure surface: 2.8 m 2.4 Water Test Contents <ul style="list-style-type: none"> Test duration: 3 min | Pass |

3. List of Testing Equipments

| Equipment | Manufacture | Model | ICP No. | Date of Calibration | Calibration Laboratory |
|------------------------------|-------------|------------|-------------|---------------------|------------------------|
| Thermo-hygrometer | TESTO | Testo 622 | ICP20140892 | 2017. 05. 23 | KTL |
| Vernia Caliper | MITUTOYO | CD-20APX | ICP20160207 | 2017. 05. 18 | KTL |
| Flow Meter (Nozzle) | KOMETER | GA-101 | ICP20150325 | 2017. 05. 31 | DDHT |
| Flow Meter (Compact Chamber) | DWYER | RMA-13-SSV | ICP20150336 | 2017. 05. 25 | KTL |

FP202-02-02



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4. Test Figures



[Fig. 3: IP 6X]



[Fig. 4: IP X6]

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