

TEST REPORT

1. Applicant

Name : Young Tech Co., Ltd.
Address : 3022. Hagun-ri, Yangchon-eup, Gimpo-city
Kyunggi-do, Korea

2. Products

Name : SMART POSITIONER
Model/Type : YT-3450
Manufacturer : Young Tech Co., Ltd.
Remark : -

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2006

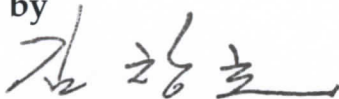
4. Test Results : IP66 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2013. 08. 29

7. Date of Issue : 2013. 09. 05

Tested by



Machinery Convergence Technology Center
Chang-ho Kim

Approved by



Machinery Convergence Technology Center
Leader Jun-gu Kang

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

Korea Testing Laboratory



222-13, Guro3-Dong Guro-Gu Seoul, 152-718, Korea.
<http://www.ktl.re.kr>

Tel. : +82-2-860-1531
Fax. : +82-2-860-1549

TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

1. Test Results

Code letters	IP	Test method and Record	Results
<p>1st Characteristic numerals</p> <p>Against ingress of solid foreign objects</p>	6	<p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : Wire diameter=50 μm, width between wires=75 μm</p> <p>1.2 Amount of talcum powder of the test chamber : 2kg/m³</p> <p>2. TEST</p> <p>2.1 Volume of the enclosures: about 1,150 cm³</p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH₂O)</p> <p>2.3 Flow rate : 0.4 LPM</p> <p>2.4 Extraction rate per hour : 20.9 volumes/h</p> <p>2.5 Test duration : 4 hours</p>	Pass
<p>2nd Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	6	<p>1. CONDITIONS</p> <p>1.1 Internal diameter of the nozzle : 12.5 mm</p> <p>1.2 Delivery rate : 100 LPM\pm5%</p> <p>1.3 Core of the substantial stream : Circle of 120 mm diameter at 2.5 m distance from the nozzle</p> <p>1.4 Distance from nozzle to enclosure surface : Between 2.8 m</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 3 minutes</p>	Pass

2. Reference Data

- (1) Test conditions : 26.7 $^{\circ}$ C, 58 %RH, 86~106 kPa
- (2) Size : 129.95 mm \times 259 mm \times 122.25 mm
- (3) Rating : SIGNAL 4~20 mA
- (4) This test was conducted only on body part but not pressure gauge.