

# TEST REPORT

## 1. Applicant

Name : YOUNG TECH CO., LTD.  
Address : #662-8. Pungmu-Dong, Gimpo-City, Kyunggi-Do, Korea

## 2. Products

Name : Smart Positioner  
Model/Type : YT-2500 / Max. DC 28 V, 4~20 mA  
Manufacturer : YOUNG TECH CO., LTD.

3. Test Standard/Method : IEC 60529:2001, KS C IEC 60529:2002

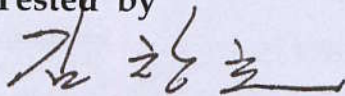
4. Test Results : IP66 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2008. 05. 09

7. Date of Issue : 2008. 05. 26

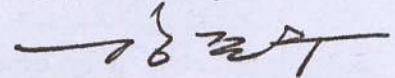
Tested by



Equipment Safety Team

Chang-ho Kim

Approved by



Equipment Safety Team

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

# TEST RESULTS

for Degree of protection provided by enclosures(IP Code)

## 1. Test Results

Code letters	IP	Test method and Record	Results
<p><b>1st</b> Characteristic numerals</p> <p>Against ingress of solid foreign objects</p>	<b>6</b>	<p>1. CONDITIONS</p> <p>1.1 Talcum powder(mesh) : Wire diameter=50 <math>\mu\text{m}</math>, width between wires=75 <math>\mu\text{m}</math></p> <p>1.2 Amount of talcum powder of the test chamber : 2kg/m<sup>3</sup></p> <p>2. TEST</p> <p>2.1 Volume of the enclosures : about 540 cm<sup>3</sup></p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH<sub>2</sub>O)</p> <p>2.3 Flow rate : 0.0 LPM</p> <p>2.4 Extraction rate per hour : 0 volumes/h</p> <p>2.5 Test duration : 8 hours</p>	<b>Pass</b>
<p><b>2nd</b> Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	<b>6</b>	<p>1. CONDITIONS</p> <p>1.1 Internal diameter of the nozzle : 12.5 mm</p> <p>1.2 Delivery rate : 100 LPM<math>\pm</math>5%</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 2.5 m &amp; 3 m</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 3 min</p>	<b>Pass</b>

## 2. Reference Data

(1) Test conditions : 15~35 °C, 25~75 %RH, 86~106 kPa