

## TEST REPORT

### 1. Applicant

Name : Young Tech Co., Ltd.  
Address : 662-8. Pungmu-dong, Gimpo-city, Kyunggi-do,  
Korea

### 2. Products

Name : Position Transmitter  
Model/Type : SPTM-5V  
Manufacturer : Young Tech Co., Ltd.  
Remark : -

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

4. Test Results : IP67 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2010. 04. 28

7. Date of Issue : 2010. 05. 03

Tested by

Approved by

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Machinery Components Center  
Chang-ho Kim

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Machinery Components Center  
Leader Byung-woo Lee

*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
<b>1st</b> Characteristic numerals  Against ingress of solid foreign objects	<b>6</b>	1. CONDITIONS 1.1 Talcum powder(mesh) : <b>Wire diameter=50 <math>\mu</math>m, width between wires=75 <math>\mu</math>m</b> 1.2 Amount of talcum powder of the test chamber : <b>2kg/m<sup>3</sup></b>  2. TEST 2.1 Volume of the enclosures : <b>about 280 cm<sup>3</sup></b> 2.2 Reduction air pressure : <b>-2.0 kPa (-200 mmH<sub>2</sub>O)</b> 2.3 Flow rate : <b>0.0 LPM</b> 2.4 Extraction rate per hour : <b>0 volumes/h</b> 2.5 Test duration : <b>8 hours</b>	<b>Pass</b>
<b>2nd</b> Characteristic numerals  Against ingress of water with harmful effects	<b>7</b>	1. CONDITIONS 1.1 The lowest point of enclosure : <b>1,000 mm</b> 1.2 The highest point of enclosure : <b>904 mm</b> 1.3 Differential temperature of water and enclosure (less than 5K) : <b>about 2.0 K</b>  2. TEST 2.1 The duration of the test is : <b>30 min</b>	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 20.5 °C, 43 %RH, 86~106 kPa
- (2) Size : 74 mm×98.6 mm×H95.5 mm
- (3) Rating : Max. 28 V, DC