

## TEST REPORT

### 1. Applicant

Name : SeoJin Instech Co., Ltd.  
Address : #91-18. Gunja-dong, Gwangjin-gu, Seoul  
Korea

### 2. Products

Name : Magnetic Flow Meter  
Model/Type : SMF-H / 10(3/8)  
Manufacturer : SeoJin Instech Co., Ltd.  
Remark : -

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

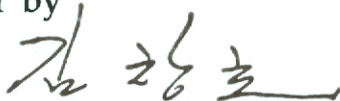
4. Test Results : IP67 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2012. 08. 24

7. Date of Issue : 2012. 08. 31

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

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## 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) : <b>Wire diameter=50 <math>\mu</math>m, width between wires=75 <math>\mu</math>m</b></p> <p>1.2 Amount of talcum powder of the test chamber : <b>2kg/m<sup>3</sup></b></p> <p>2. TEST</p> <p>2.1 Volume of the enclosures: <b>about 1,300 cm<sup>3</sup></b></p> <p>2.2 Reduction air pressure : <b>-2.0 kPa (-200 mmH<sub>2</sub>O)</b></p> <p>2.3 Flow rate : <b>0.0 LPM</b></p> <p>2.4 Extraction rate per hour : <b>0 volumes/h</b></p> <p>2.5 Test duration : <b>8 hours</b></p>	<b>Pass</b>
<p><b>2nd</b> Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	<b>7</b>	<p>1. CONDITIONS</p> <p>1.1 The lowest point of enclosure : <b>1,000 mm</b></p> <p>1.2 The highest point of enclosure : <b>794 mm</b></p> <p>1.3 Differential temperature of water and enclosure (less than 5K) : <b>about 2.0 K</b></p> <p>2. TEST</p> <p>2.1 The duration of the test is : <b>30 mins</b></p>	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 25.3 °C, 64 %RH, 86~106 kPa
- (2) Size : 167 mm×170 mm
- (3) Rating : Power supply AC 85~230 V, 50~60 Hz, Max. Power 10 W
- (4) Identical Model : SMF-H / 15(1/2), 20(3/4), 25(1), 32(1-1/4), 40(1-1/2)