

TEST REPORT

1. Applicant

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

2. Products

Name : Magnetic Flow Meter (Sensor)
Model/Type : SMF-S / 50(2)
Manufacturer : SeoJin Instech Co., Ltd.
Remark : -

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

4. Test Results : IP68 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2012. 06. 07

7. Date of Issue : 2012. 06. 13

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 0 cm³</p> <p>2.2 Reduction air pressure : -2.0 kPa (-200 mmH₂O)</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>	Pass
<p>2nd Characteristic numerals</p> <p>Against ingress of water with harmful effects</p>	8	<p>1. CONDITIONS</p> <p>1.1 The lowest point of enclosure : 1,200 mm</p> <p>1.2 The highest point of enclosure : 1,035 mm</p> <p>1.3 Differential temperature of water and enclosure (less than 5K) : about 2.0 K</p> <p>2. TEST</p> <p>2.1 The duration of the test is : 3 hours</p>	Pass

2. Reference Data

- (1) Test conditions : 24.5 °C, 58 %RH, 86~106 kPa
- (2) Size : D \varnothing 165 mm×L200 mm
- (3) Rating : AC 86~230 V
- (4) Identical Model : SMF-S/65(2-1/2), 80(3), 100(4), 125(5), 150(6), 200(8), 250(10), 300(12), 350(14), 400(16), 450(18), 500(20), 600(24)