

# TEST REPORT

## 1. Applicant

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

## 2. Products

Name : GUIDED WAVE RADER TRANSMITTERS  
Model/Type : SITRANS LG200  
Manufacturer : Made in U.S.A / SIEMENS  
Remark :

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

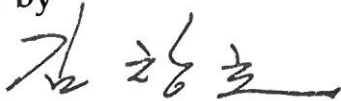
4. Test Results : IP66 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2013. 08. 29

7. Date of Issue : 2013. 09. 06

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 μm, width between wires=75 μm</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 510 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>0.05 LPM</b></p> <p>2.4 Extraction rate per hour : <b>5.9 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>6</b>	<p>1. CONDITIONS</p> <p>1.1 Internal diameter of the nozzle : <b>12.5 mm</b></p> <p>1.2 Delivery rate : <b>100 LPM±5%</b></p> <p>1.3 Core of the substantial stream : <b>Circle of 120 mm diameter at 2.5 m distance from the nozzle</b></p> <p>1.4 Distance from nozzle to enclosure surface : <b>Between 2.8 m</b></p> <p>2. TEST</p> <p>2.1 The duration of the test is : <b>3 minutes</b></p>	<b>Pass</b>

## 2. Reference Data

- (1) Test conditions : 26.7 °C, 58 %RH, 86~106 kPa
- (2) Size : ∅120(4.7') mm×153(6.02') mm
- (3) Rating : 24 V DC(16~30 DC), 2-Wire