

## TEST REPORT

### 1. Applicant

Name : POWER-GENEX LTD.  
Address : 99, Eunbong-ro, Nonhyun-dong, Namdong-gu,  
Incheon, Korea

### 2. Products

Name : Valve Position Monitor  
Model/Type : LSB3000  
Manufacturer : POWER-GENEX LTD.  
Remark : -

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

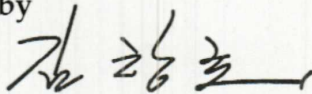
4. Test Results : IP67 (Refer to document)

5. Use of Report : For Quality Control

6. Date of Application : 2014. 03. 10

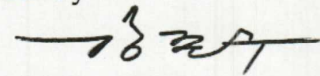
7. Date of Issue : 2014. 03. 17

Tested by



Base Technology Center  
Chang-ho Kim

Approved by



Base 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



87, Digital 26-gil, Guro-gu, Seoul, Korea (152-718)  
<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
<b>1st</b> Characteristic numerals  Against ingress of solid foreign objects	<b>6</b>	1. CONDITIONS 1.1 Talcum powder(mesh) : Wire diameter=50 $\mu\text{m}$ , width between wires=75 $\mu\text{m}$ 1.2 Amount of talcum powder of the test chamber : 2kg/m <sup>3</sup>  2. TEST 2.1 Volume of the enclosures: about 900 cm <sup>3</sup> 2.2 Reduction air pressure : -2.0 kPa (-200 mmH <sub>2</sub> O) 2.3 Flow rate : 0.0 LPM 2.4 Extraction rate per hour : 0 volumes/h 2.5 Test duration : 8 hours	<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 : 1,000 mm 1.2 The highest point of enclosure : 868 mm 1.3 Differential temperature of water and enclosure (less than 5K) : about 2.0 K  2. TEST 2.1 The duration of the test is : 30 minutes	<b>Pass</b>

### 2. Reference Data

- (1) Test conditions : 20.4 °C, 53 %RH, 86~106 kPa
- (2) Size : 134 mm×134 mm×H132 mm
- (3) Rating : AC 250 V, DC 8~250 V