

TEST REPORT



Report No. : 14-049973-01

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1. Client

Name : POWER-GENEX LTD.

Address : 99, Eunbong-ro, Nonhyun-dong, Namdong-gu, Incheon, Korea

Date of Receipt : 2014. 10. 13

2. Use of Report : For Quality Control

3. Test Sample

Description : Valve Monitoring Controller

Manufacturer : POWER-GENEX LTD.

Model Name : LSB-7

Serial Number :

Remark :

4. Date of Test : 2014. 10. 20. ~ 2014. 10. 21.

5. Test Standard/Method : IEC 60529: 2001 (KS C IEC 60529:2006)

6. Testing Environment : Temperature : (19.7 ± 1.0) °C , Humidity : (56 ± 2) % R.H.

7. Test Results : Refer to the attached results

Note : 1. The test results contained apply only to the test sample(s) supplied by the client
2. This test report shall not be reproduced in full or in part without approval of the KTL in advance.

Affirmation	Tested by	Technical Manager
	Name : Kim Chang-ho (Signature)	Name : Kang Jun Gu (Signature)

The above test report is the accredited test result by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

2014. 10. 22

Korea Testing Laboratory

Accredited by KOLAS, Republic of KOREA



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FP202-03-03

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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
1st Characteristic numerals Against ingress of solid foreign objects	6	1. CONDITIONS 1.1 Talcum powder(mesh) : Wire diameter=50 μm , width between wires=75 μm 1.2 Amount of talcum powder of the test chamber : 2kg/m ³ 2. TEST 2.1 Volume of the enclosures : about 780 cm ³ 2.2 Reduction air pressure : -2.0 kPa (-200 mmH ₂ O) 2.3 Flow rate : 0.05 LPM 2.4 Extraction rate per hour : 3.8 volumes/h 2.5 Test duration : 8 hours	Pass
2nd Characteristic numerals Against ingress of water with harmful effects	6	1. CONDITIONS 1.1 Internal diameter of the nozzle : 12.5 mm 1.2 Delivery rate : 100 LPM \pm 5% 1.3 Core of the substantial stream : Circle of 120 mm diameter at 2.5 m distance from the nozzle 1.4 Distance from nozzle to enclosure surface : Between 2.8 m 2. TEST 2.1 The duration of the test is : 3 minutes	Pass

2. Reference Data

- (1) IP Code : IP66
- (2) Size : 146.4 mm \times 181.8 mm \times 164.2 mm
- (3) Rating : DC 24 V, AC 110/220 V