

TEST REPORT



Report No. : 16-062828-01-2

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1. Client

Name : WISE CONTROL Inc.

Address : 2022, Deogyong-daero, Giheung-gu, Yongin-si, Gyeonggi-do, 17097, Korea

Date of Receipt : 2016. 10. 27

2. Use of Report : To verify IP grade to IEC 60529

3. Test Sample

Description : Low Differential Pressure Gauge

Manufacturer : WISE CONTROL Inc.

Model Name : P880

Serial Number : -

Remark : -

4. Date of Test : 2016. 11. 07. ~ 2016. 11. 08.

5. Test Standard/Method : IEC 60529: 2001

6. Testing Environment : Temperature : (24.3 ± 2.0) °C , Humidity : (49 ± 2) % R.H.

7. Test Results : Pass (IP67)

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 : Min Yeong-seung (Signature)	Name : Kim Ji-hoon (Signature)

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

2016. 11. 09

Korea Testing Laboratory

Accredited by KOLAS, Republic of KOREA



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FP202-03-03



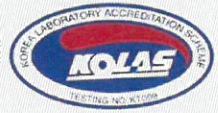
※ 위 마크는 추후 전자확인증 대조 프로그램에서 원본대조시 사용되는 2D코드입니다.



한국산업기술시험원
Korea Testing Laboratory

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1. Summary of Test

1.1 Test Standard

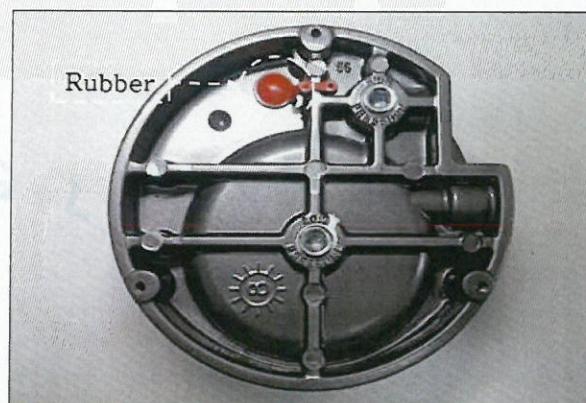
This test was conducted in accordance with "IEC 60529: 2001".

1.2 Test Sample

- Description : Low Differential Pressure Gauge
- Model Name : P880
- Dimensions : Diameter of 120 mm × 54 mm
- Rating : -



[Fig. 1: Front]



[Fig. 2: Rear]

1.3 Test Environment

- Temperature : $(24.3 \pm 2.0) ^\circ\text{C}$
- Humidity : $(49 \pm 2) \% \text{ R.H.}$
- Atmospheric Pressure : $(100.2 \pm 2.0) \text{ kPa}$

1.4 Remark

Pressure relief hole located on the rear part of the equipment was closed by using the rubber.

2. Results

Code Letters	IP	Conditions	Results
1st Characteristic numerals Against ingress of solid foreign objects	6	2.1 Dust Test Conditions <ul style="list-style-type: none"> Talcum powder(mesh) wire diameter: 50 μm Talcum powder(mesh) wire width: 75 μm Amount of talcum powder of the test chamber: 2 kg/m^3 2.2 Dust Test Contents <ul style="list-style-type: none"> Volume of the enclosures: About 250 cm^3 Reduction air pressure: -2.00 kPa (-200 mmH_2O) Flow rate: 0.00 L/min Extraction rate per hour: 0 volumes/h Test duration: 8 h 	Pass
2nd Characteristic numerals Against ingress of water with harmful effects	7	2.3 Water Test Conditions <ul style="list-style-type: none"> The lowest point of enclosure: 1000 mm The highest point of enclosure: 946 mm Differential temperature of water and enclosure (less than 5.0 K): About 2.0 K 2.4 Water Test Contents <ul style="list-style-type: none"> Test duration: 30 min 	Pass

3. List of Testing Equipments

Equipment	Manufacture	Model	ICP No.	Date of Calibration	Calibration Laboratory
Thermo-hygrometer	TESTO	Testo 622	ICP20140892	2016. 05. 10	KTL
Vernia Caliper	MITUTOYO	CD-20APX	ICP20160207	2016. 05. 19	KTL
Flow Meter (Compact Chamber)	DWYER	RMA-13-SSV	ICP20150336	2016. 05. 11	KTL

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4. Test Figures



[Fig. 3: IP 6X]



[Fig. 4: IP X7]

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