



TEST REPORT

Report No. : SGS-R20-1350-EN01
Order No. : DTRC2003000416EN
Applicant : WISE Control Inc.
Address : 2022 Deogyong-dearo, Giheung-gu, Yongin-si, Gyeonggi-do, Korea (17097)
Product : Ultra High Purity Pressure Transmitter
Model No. : PT86X Series(PT861, PT862, PT863)
Date of Test : March 23, 2020. ~ March 24, 2020.
Standard : IEC 60529: 2013
Degrees of protection provided by enclosures (IP65)
Test Result : Refer to page 9
Use of Report : For Quality Control

This is certified that the above mentioned products have been tested for the sample provided by client.

Affirmation	Tested by Name : Jeong, Sang-jin 	Technical Manager Name : Koo, Hyung-kun 
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- ※ The test report is a revised version of SGS-R20-1350-EN00.
- ※ The test report is not related to our KOLAS accreditation.

April 2, 2020

SGS Korea Co., Ltd. Dongtan Laboratory



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Contents

1. Overview	3
2. Product	3
2.1 Description.....	3
2.2 Photograph	3
3. Test process	4
3.1 Operating Test	4
3.2 Non-operating Test.....	4
4. Test condition & Test result	4
4.1 IPX5.....	5
4.2 IP6X.....	7
※ Annex 1. Visual inspection data	9

1. Overview

As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

2. Product

2.1 Description

- | | |
|------------------|--|
| 1) Applicant | : WISE Control Inc. |
| 2) Manufacturer | : WISE Control Inc. |
| 3) Product | : Ultra High Purity Pressure Transmitter |
| 4) Model | : PT86X Series(PT861, PT862, PT863) |
| 5) S.N | : #1, #2 |
| 6) No. of sample | : 2 EA |

2.2 Photograph



< IPX5: #1 >



< IP6X: #2 >

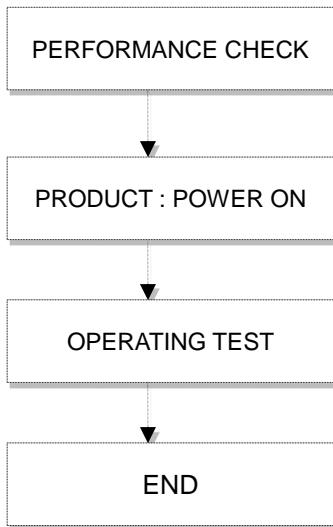


3. Test process

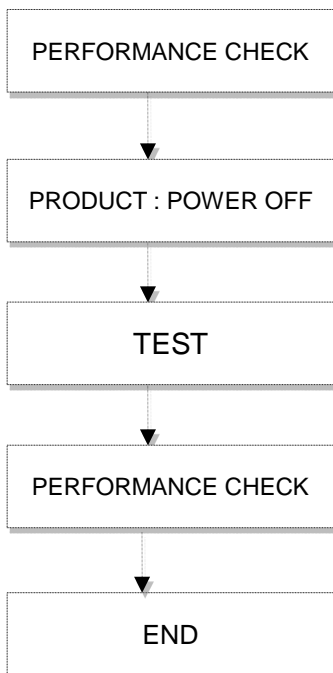
Refer to each test report

(Using one process among next two kinds of process)

3.1 Operating Test



3.2 Non-operating Test



4. Test condition & Test result



4.1 IPX5

Applicant	WISE Control Inc.	Dept. in charge	Reliability Test Team
Product	Ultra High Purity Pressure Transmitter	Tester	Jun, Ki-hwan (+82-31-831-2016)
Model	PT86X Series(PT861, PT862, PT863)	Date	March 23, 2020.
Serial No.	#1		
Standard	IEC 60529 : 2013 Degrees of protection provided by enclosures	Page	2
Test Location	SGS Korea Co., Ltd. Dongtan Laboratory		

(1) Test condition

- 1) IP code : IPX5
- 2) Delivery rate : 12.5 L/min ± 5 %
- 3) Displacement : From the nozzle to sample's surface (2.5 ~ 3) m
- 4) Test time : Total 3 min
- 5) Test point : Total 6 point (Refer to Test photograph)
- 6) Status of product : ① Unpacked product ② Non-operation
- 7) Sample quantity : 1 EA

(2) List of used equipment

Description	Manufacturer & Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Turbine Flowmeter	Blancett 110-875	082905362	January 15, 2021.	SICT
Stop Watch	KS-201	0 704771	May 28, 2020	SICT
Tape measure	5.5 m	816772	August 21, 2020	SICT

(3) Test result

Check item	Test result
-. Confirmation of water resistance	No water penetration was found. (Refer to page 9)



(4) Test photograph





4.2 IP6X

Applicant	WISE Control Inc.	Dept. in charge	Reliability Test Team
Product	Ultra High Purity Pressure Transmitter	Tester	Jeong, Sang-jin (+82-31-240-6651)
Model	PT86X Series(PT861, PT862, PT863)	Date	March 23, 2020. ~ March 24, 2020.
Serial No.	#2		
Standard	IEC 60529 : 2013 Degrees of protection provided by enclosures	Page	2
Test Location	SGS Korea Co., Ltd. Dongtan Laboratory		

(1) Test condition

- 1) IP code : IP6X
- 2) Test time : 8 h
- 3) Decompression : Maximum depression of 2 kPa (20 mbar)
- 4) Status of product : ① Unpacked product ② Non-operation
- 5) Sample quantity : 1 EA

(2) List of used equipment

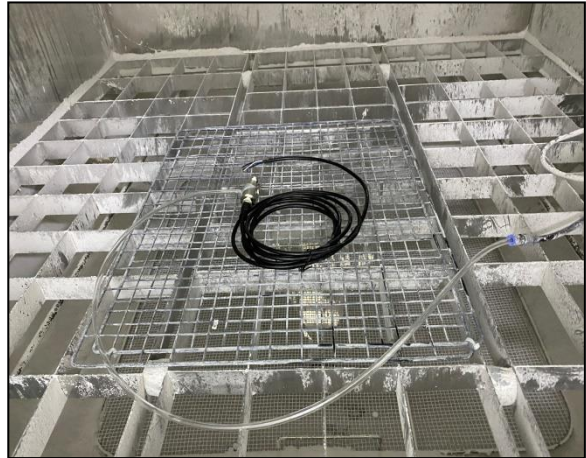
Description	Manufacturer & Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Dust Chamber	Daeyung Engineering DOC-300DSEM	DOC-11-43-10DSEM	-	-
Temperature controller	HANYOUNG KX9N-SENA	825110	January 21, 2021	SICT
Pressure Transmitter	SENSORTEC KP-21N	1107048	January 23, 2021	SICT
Mass Flow Meter	XFM47	440070-1	January 29, 2021	SICT

(3) Test result

Check item	Test result
-. Confirmation of dust resistance	No dust penetration was found. (Refer to page 9)



(4) Test photograp

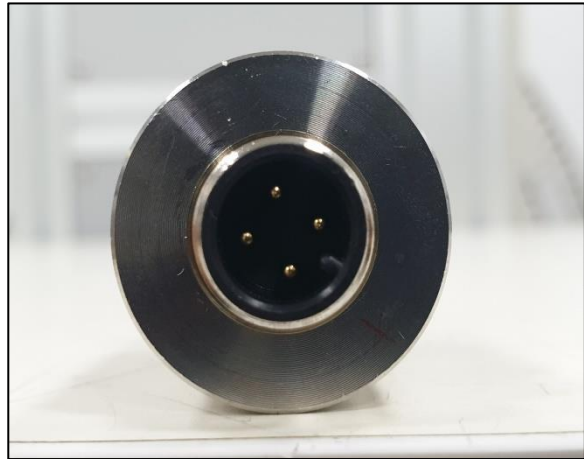




※ Annex 1. Visual inspection data



1. IPX5: No water penetration was found.



2. IP6X: No dust penetration was found.



End.