



TEST REPORT



Report No. : SGS-R20-1437-EN00
Order No. : DTRC2003000491EN
Applicant : WISE Control Inc.
Address : #1201~#1214, 122, Jomaru-ro 385beon-gil, Bucheon-si,
Gyeonggi-do, Republic of Korea
Product : General service liquid filled pressure gauge
Model No. : P254
Date of Test : April 7, 2020. ~ April 8, 2020.
Standard : IEC 60529: 2013
Degrees of protection provided by enclosures (IP67)
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 : Jun, Ki-hwan. 	Technical Manager Name : Koo, Hyung-kun 
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※ The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

April 10, 2020.

SGS Korea Co., Ltd. Dongtan Laboratory



Accredited by KOLAS, Republic of KOREA

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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 | : General service liquid filled pressure gauge |
| 4) Model | : P254 |
| 5) S.N | : #1, #2 |
| 6) No. of sample | : 2 EA |

2.2 Photograph



< IP5X: #1 >



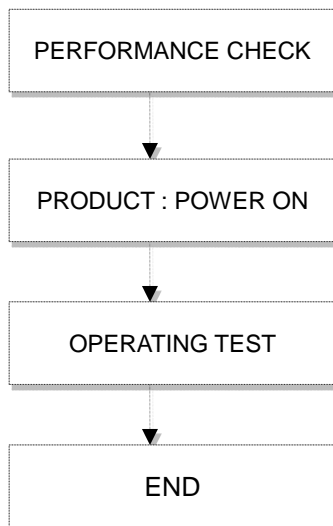
< IPX7: #2 >



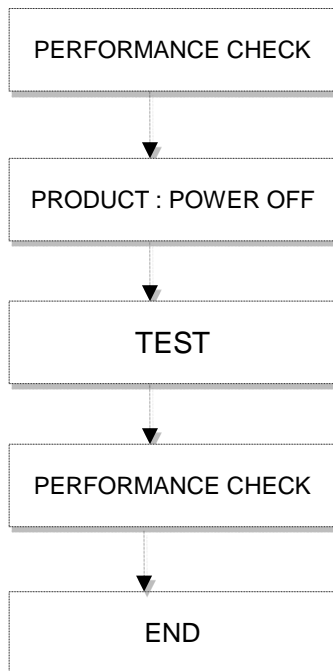
3. Test process

Refer to each test report

3.1 Operating Test



3.2 Non-operating Test



4. Test condition & Test result



4.1 IP6X

Applicant	WISE Control Inc.	Dept. in charge	Reliability Test Team
Product	General service liquid filled pressure gauge	Tester	Jeong, Sang-jin (+82-31-240-6651)
Model	P254	Date	April 7, 2020. ~ April 8, 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 : 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	Daekyung 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 photograph





4.2 IPX7

Applicant	WISE Control Inc.	Dept. in charge	Reliability Test Team
Product	General service liquid filled pressure gauge	Tester	Jun, Ki-hwan. (+82-31-831-2016)
Model	P254	Date	April 8, 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 : IPX7
- 2) Immersion depth : 1 m (From water surface to the specimen's lower end)
- 3) Test duration : 30 min
- 4) Check point : After the test
- 5) Status of product : ① Unpacked Product ② Non-operation
- 6) No. of sample : 1 EA

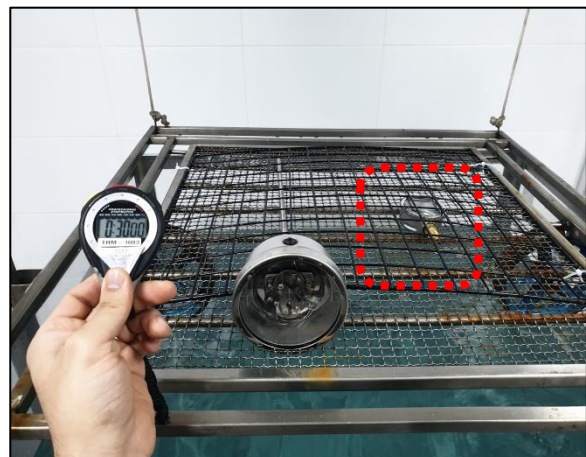
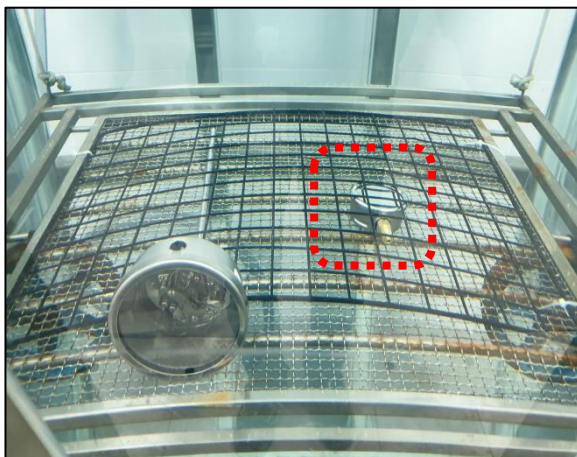
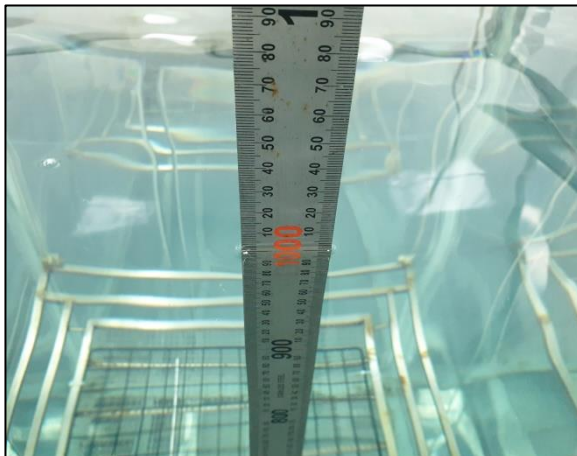
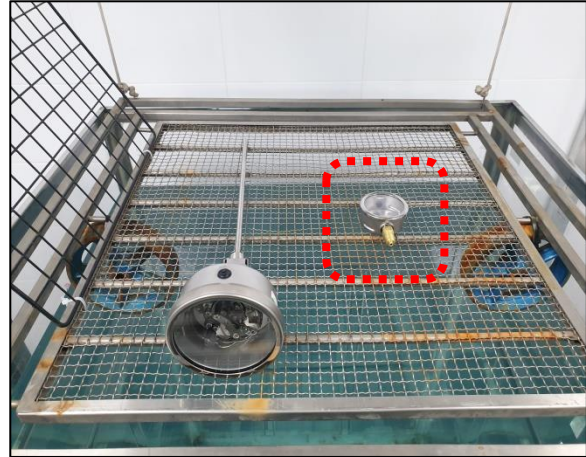
(2) List of used equipment

Description	Manufacturer & Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Immersion apparatus	Sejong FA -	-	-	-
straight edge ruler	2 000 mm	12062537-7	June 28, 2020.	SICT
Stop Watch	KS-201	0 704771	May 28, 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





※ Annex 1. Visual inspection data



1. IP6X: No dust penetration was found.



2. IPX7: No water penetration was found.



End.