
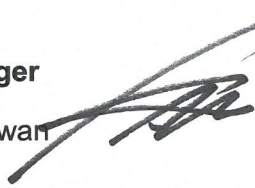




TEST REPORT

Report No. : SGS-R18-0006-EN00
Order No. : TON-R17-3328
Applicant : WISE Control Inc.
Address : 2022 Deogyong-dearo, Giheung-gu, Yongin-si, Gyeonggi-do, Korea (17097)
Product : Extension lead wire Thermocouple and RTD
Model No. : R300 Series(General Head Type)
Date of Test : December 21, 2017 ~ December 27, 2017
Standard : IEC 60529: 2013
Degrees of protection provided by enclosures (IP65)
Test Result : Refer to page 9
Use of Report : For Quality Control

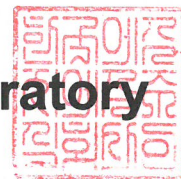
This is certified that the above mentioned products have been tested for the sample provided by client.

Affirmation	Tested by Name : Lee, Hyun-woo 	Technical Manager Name : Jun, Ki-hwan 
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January 02, 2018

SGS Korea Co., Ltd. Dongtan Laboratory



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TQF-510-001_ver6



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1. Overview

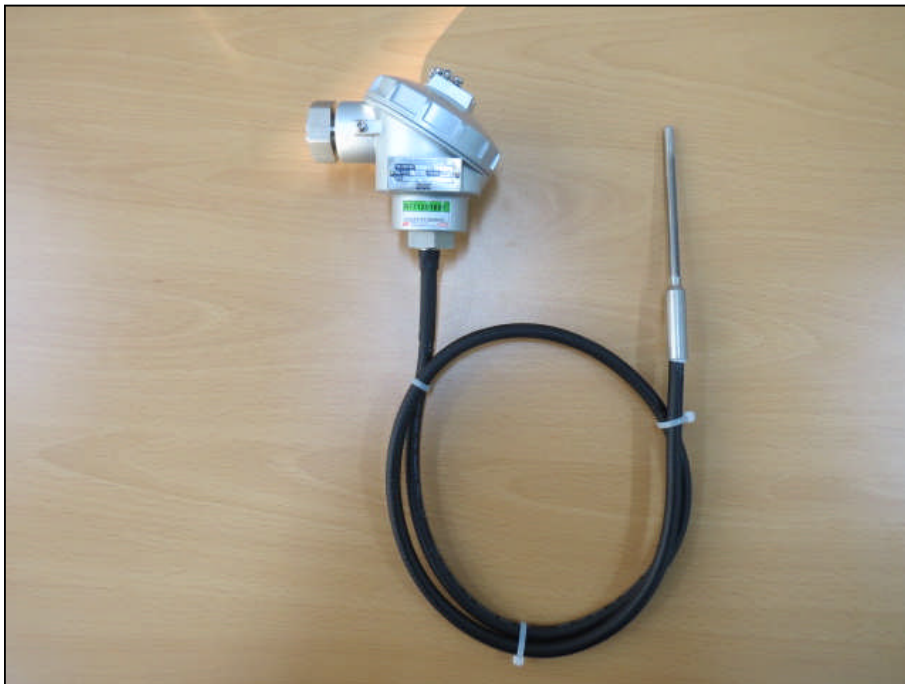
As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

2. Product

2.1 Description

- | | |
|------------------|--|
| 1) Applicant | : WISE Control Inc. |
| 2) Manufacturer | : WISE Control Inc. |
| 3) Product | : Extension lead wire Thermocouple and RTD |
| 4) Model | : R300 Series(General Head Type) |
| 5) S.N | : #1, #2 |
| 6) No. of sample | : 2 EA |

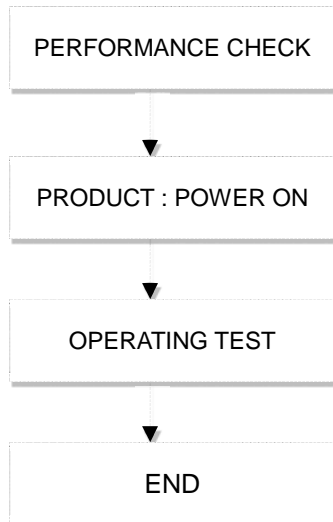
2.2 Photograph



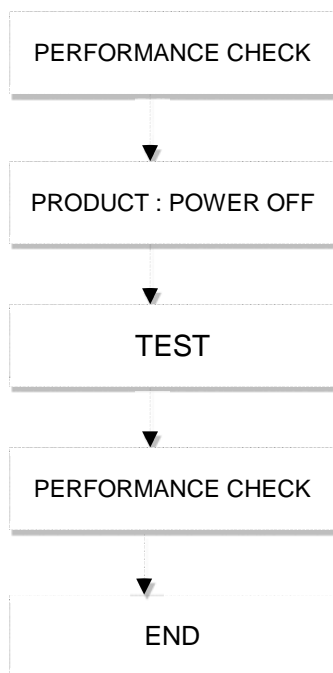


3. Test process

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	Extension lead wire Thermocouple and RTD	Tester	Lee, Hyun-woo (+82-31-240-6614)
Model	R300 Series(General Head Type)	Date	December 21, 2017
Serial No.	#1		
Standard	IEC 60529 : 2013 Degrees of protection provided by enclosures	Page	2

(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) Check point : After the test
- 6) Sample quantity : 1 EA

(2) List of used equipment

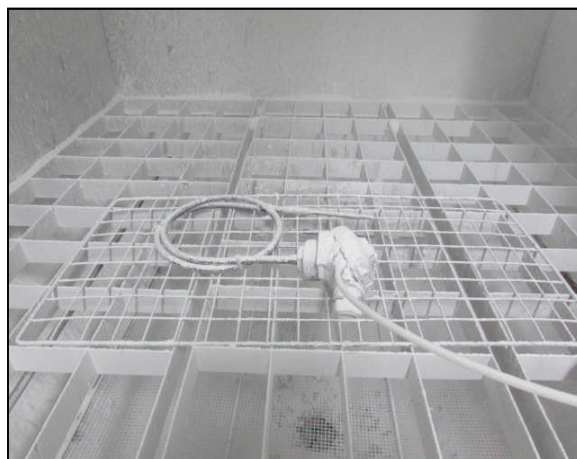
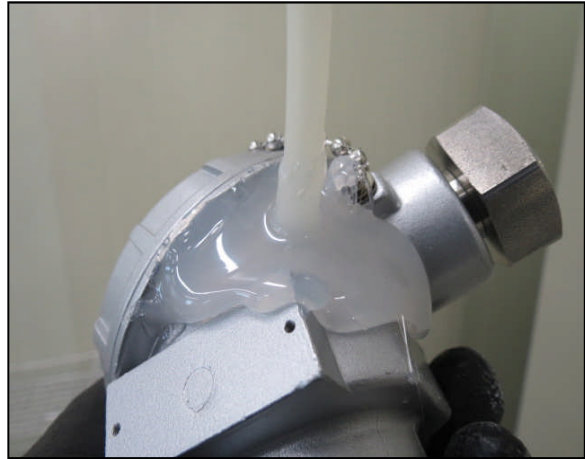
Description	Manufacturer & Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Dust Chamber	Daekyung Engineering DOC-300DSEM	DOC-11-43-10DSEM	N/A	N/A
Temperature controller	HANYOUNG KX9N-SENA	825110	February 23, 2018	SICT
Pressure Transmitter	SENSORTEC KP-21N	1107048	February 26, 2018	SICT
Mass Flow Meter	XFM47	440070-1	April 25, 2018	DDHT

(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 IPX5

Applicant	WISE Control Inc.	Dept. in charge	Reliability Test Team
Product	Extension lead wire Thermocouple and RTD	Tester	Lee, Hyun-woo (+82-31-240-6614)
Model	R300 Series(General Head Type)	Date	December 27, 2017
Serial No.	# 2		
Standard	IEC 60529 : 2013 Degrees of protection provided by enclosures	Page	2

(1) Test condition

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

(2) List of used equipment

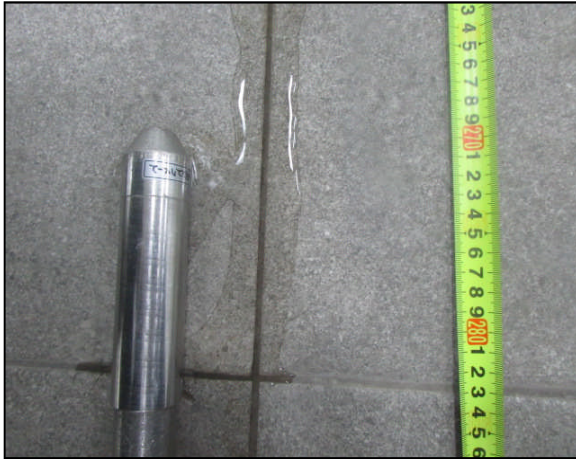
Description	Manufacturer & Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Turbine Flowmeter	Blancett 110-875	082905362	March 30, 2018	DDHT
STOP WATCH	KS-201	0 704771	July 6, 2019	SICT

(3) Test result

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



(4) Test photograph





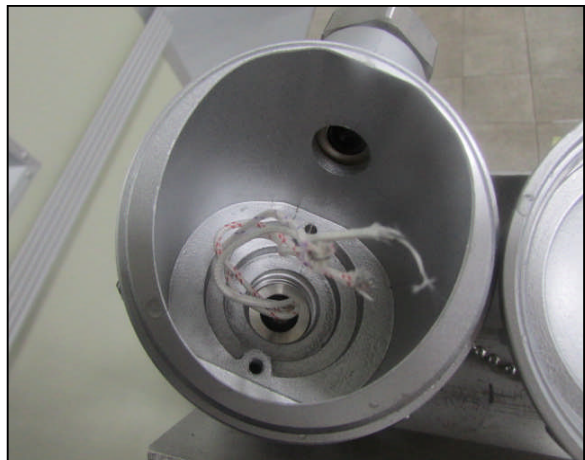
※ Annex 1. Test result photograph



1. IP6X : No dust penetration was found.



2. IPX5 : No water penetration was found.



End.