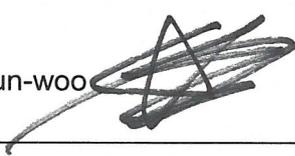




# TEST REPORT

**Report No.** : SGS-R17-1259-EN00  
**Order No.** : TON-R17-1929  
**Applicant** : WISE Control Inc.  
**Address** : 2022 Deogyong-dearo, Giheung-gu, Yongin-si, Gyeonggi-do, Korea (17097)  
**Product** : Temperature Gauge  
**Model No.** : T191  
**Date of Test** : July 25, 2017 ~ July 27, 2017  
**Standard** : IEC 60529: 2013  
Degrees of protection provided by enclosures (IP66)  
**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.

<b>Affirmation</b>	<b>Tested by</b> Name : Lee, Hyun-woo 	<b>Technical Manager</b> Name : Jun, Ki-hwan 
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August 9, 2017

## 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       | : Temperature Gauge |
| 4) Model         | : T191              |
| 5) S.N           | : # 1, # 2          |
| 6) No. of sample | : 2 EA              |

### 2.2 Photograph



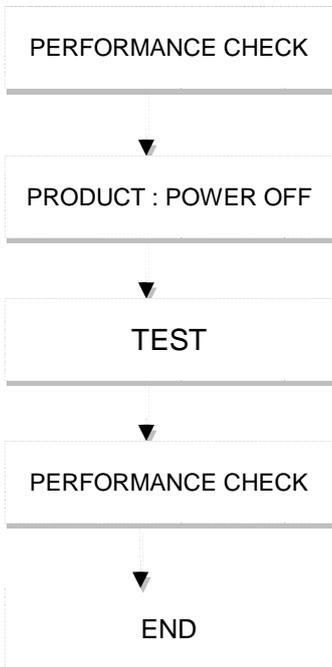


### 3. Test process

#### 3.1 Operating Test



#### 3.2 Non-operating Test



### 4. Test condition & Test result



4.1 IPX6

<b>Applicant</b>	WISE Control Inc.	<b>Dept. in charge</b>	Reliability Test Team
<b>Product</b>	Temperature Gauge	<b>Tester</b>	Lee, Hyun-woo (+82-31-240-6614)
<b>Model</b>	T191	<b>Date</b>	July 25, 2017
<b>Serial No.</b>	# 1		
<b>Standard</b>	IEC 60529 : 2013 Degrees of protection provided by enclosures	<b>Page</b>	2

(1) Test condition

- 1) IP code : IPX6
- 2) Delivery rate : 100 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 4 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	March 20, 2018	SICT
COUNTER/TIMER	AUTONIC FX4S	9K104835	March 13, 2018	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

<b>Applicant</b>	WISE Control Inc.	<b>Dept. in charge</b>	Reliability Test Team
<b>Product</b>	Temperature Gauge	<b>Tester</b>	Lee, Hyun-woo (+82-31-240-6614)
<b>Model</b>	T191	<b>Date</b>	July 27, 2017
<b>Serial No.</b>	# 2		
<b>Standard</b>	IEC 60529 : 2013 Degrees of protection provided by enclosures	<b>Page</b>	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) 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	N/A	N/A
Temperature controller	HANYOUNG KX9N-SENA	825110	February 23, 2018	SICT
Pressure Transmitter	SENORTEC 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





## ※ Annex 1. Test result photograph

1) IPX6 : No water penetration was found.



2) IP6X : No dust penetration was found.

