



Shenzhen CTL Testing Technology Co., Ltd.
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TEST REPORT
ISO 22810
Horology- Water-resistant watches

Report Reference No.....: CTL2510215012-Q

Tested by (name + signature).....: Lvan ling

Supervised by (name + signature): Victor Chen

Approved by (name + signature)....: Ethan Chen

Date of issue.....: Nov. 04, 2025

Testing Laboratory Name.....: **Shenzhen CTL Testing Technology Co., Ltd.**

Address.....: Zone A, 1/F., Warehouse 2, Baisha Logistics Company, No.3011, Shahe West Road, Nanshan District, Shenzhen, Guangdong, China

Testing location.....: Same as above

Applicant's name.....: **Shenzhen Yawell Intelligent Technology Co.,Ltd.**

Address.....: A402, Wuhan University, Shenzhen Research Institute, No. 6 Yuexing 2nd Road, Gaoxin District, Yuehai Street, Nanshan District, Shenzhen, China

Test specification:

Test specifications/ standard.....: ISO 22810:2010, Clause 4.3.2 Water resistance to overpressure

Overpressure: 5 bar (5ATM, 50m)

Test procedure.....: Test report

Non-standard test method.....: N/A

Test item description.....: Smart ring

Trade Mark.....: /

Manufacturer.....: Shenzhen Yawell Intelligent Technology Co.,Ltd.
A402, Wuhan University, Shenzhen Research Institute, No. 6 Yuexing 2nd Road, Gaoxin District, Yuehai Street, Nanshan District, Shenzhen, China

Model/Type reference.....: R12

Test result.....: Pass.



Summary of testing:
Testing location: Shenzhen CTL Testing Technology Co., Ltd. Zone A, 1/F., Warehouse 2, Baisha Logistics Company, No.3011, Shahe West Road, Nanshan District, Shenzhen, Guangdong, China
Possible test case verdicts: - test case does not apply to the test object..... : N/A (Not applicable) - test object does meet the requirement..... : P (Pass) - test object does not meet the requirement..... : F (Fail)
Testing : Date of receipt of test item..... : Oct. 28, 2025 Date(s) of performance of tests..... : Oct. 28, 2025
General remarks: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.

Summary of testing and conclusion :

1. Requirements:

4.1 Test conditions

Before performing the tests, the operative components of the watch are actuated and then returned to their normal position.

Throughout the duration of the tests, the ambient temperature is held at between 18°C and 25°C and the water temperature is equal to the ambient temperature, except for the test described in 4.3.5.

4.2 Condensation test

The purpose of this test is to verify the water resistance of the watch as follows:

place the watch on a heating plate set to between 40°C and 45°C until the watch glass reaches the

a) temperature of the plate (in practice, the heating time varies depending on the particular watch);

b) on the glass (see Note 2), place a drop of water or a wet cloth or a wet pad at a temperature between 18 °C and 25 °C;

c) after around 1 min, wipe the glass down with a dry cloth.

A watch which presents condensation on the internal surface of the glass does not satisfy the requirements of this international Standard.

NOTE 1 If the watch has been closed in an atmosphere saturated with humidity, the condensation test can produce a result which is not caused by a defect in water-resistance. If that happens, the watch is dried before undergoing the condensation test again.

NOTE 2 For any type of glass with a thickness of more than 2 mm, the water drop condensation test is not reliable. It is therefore advisable to place a wet cloth or a wet pad onto the watch.

NOTE 3 If condensation is dissipated within 1 min, it is not considered to be a water resistance defect.

4.3 Water resistance tests by immersion

4.3.2 Water resistance to overpressure

Immerse the watch completely in a suitable container filled with water. Raise the pressure in the container in 1 min to a minimum overpressure of 2 bar. Hold it at this pressure for 10 min. Then, in 1 min, reduce the pressure back down to ambient pressure.

NOTE

Higher overpressure values can be specified by the manufacturer and marked on the watch.

2. Test condition:

Clause 4.1	
Ambient temperature:	24.5 °C
Water temperature:	23.9 °C
Clause 4.3.2	
Overpressure:	5 bar
Duration:	10 min

3. Test Result:

Requirements:

There shall be no condensation on the internal surface of the glass, as revealed by the condensation test performed in accordance with 4.2 and carried out before and after the test described in 4.3.2.

Results: Pass

There is no condensation on the internal surface of the glass before and after the test described in 4.3.2.

Photo document

Photo 1 Overall view

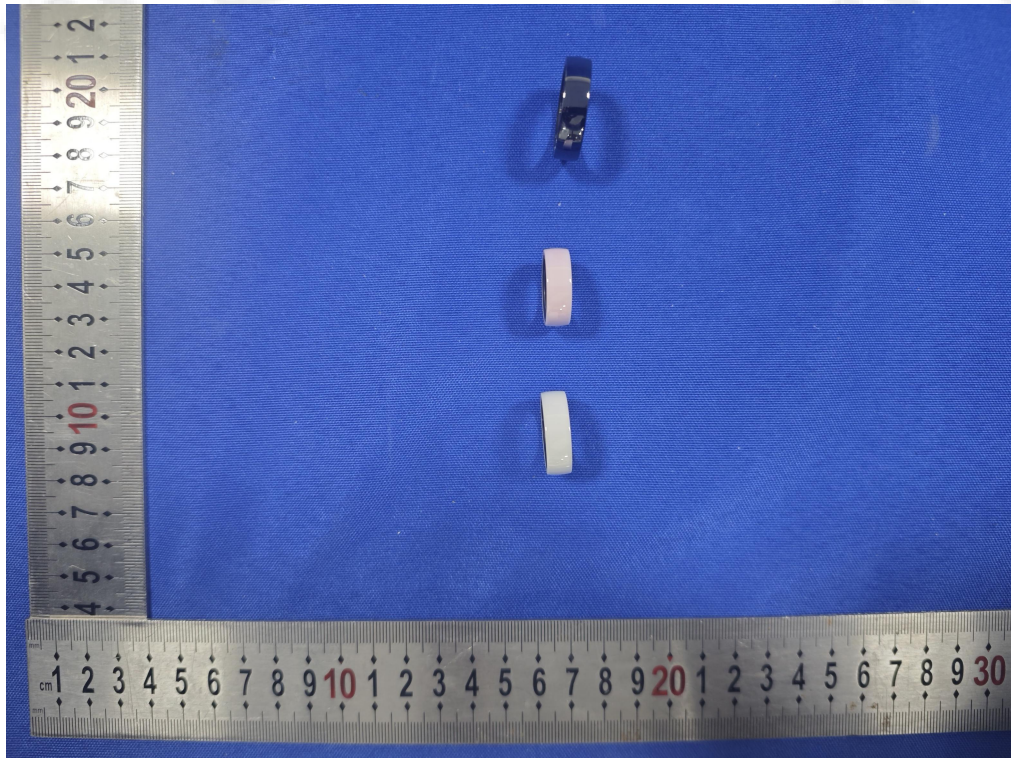


Photo 2 Before test view

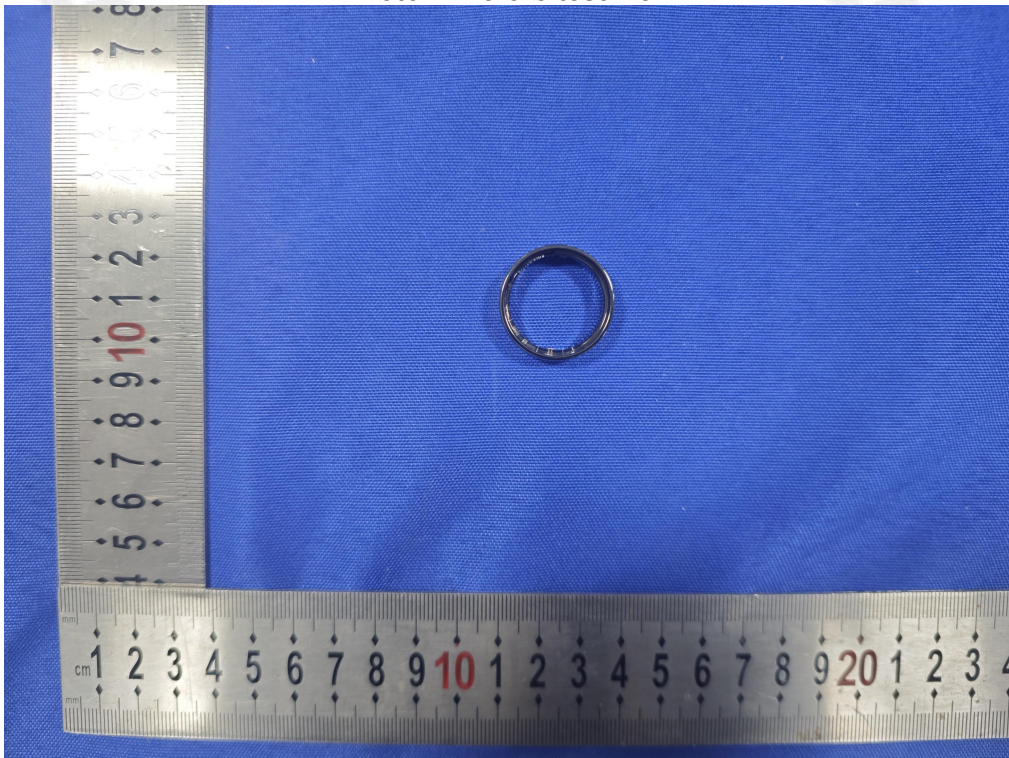


Photo document

Photo 3 Before test view

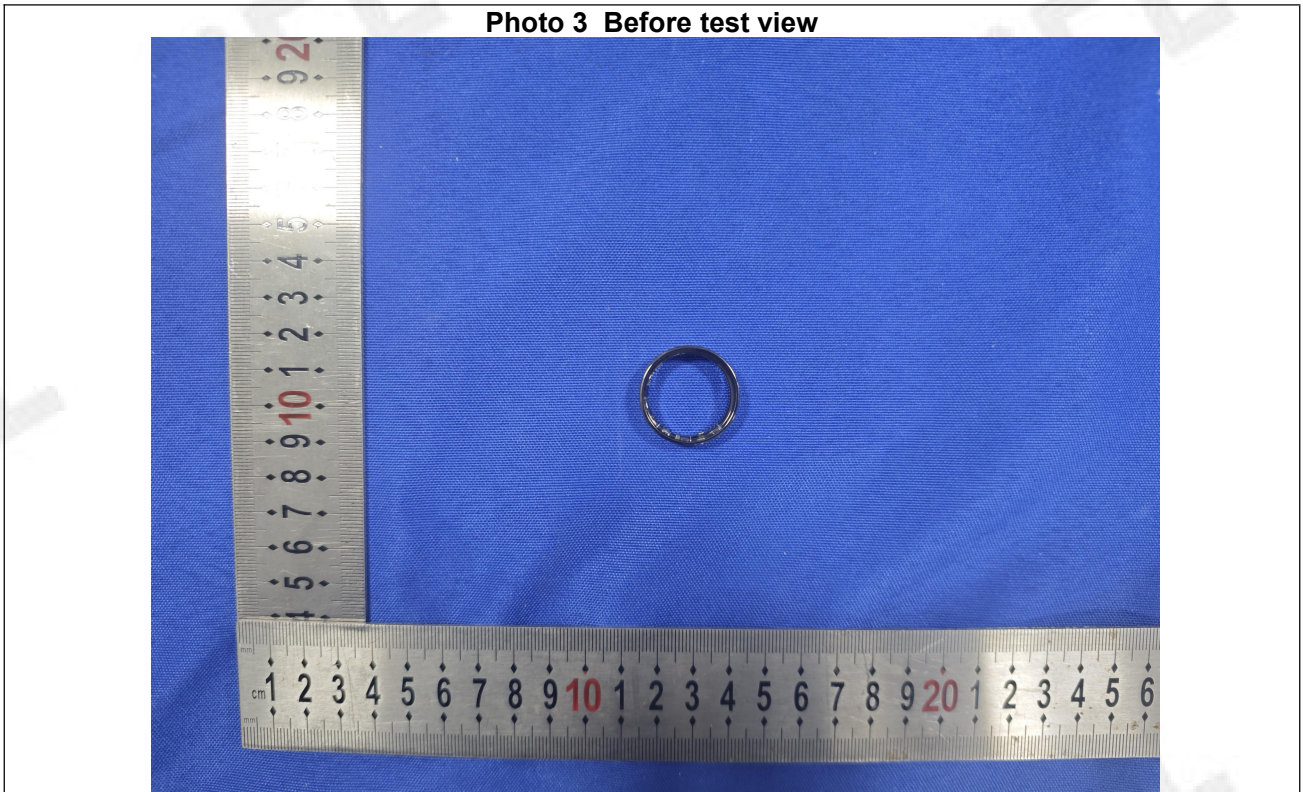


Photo 4 Side view

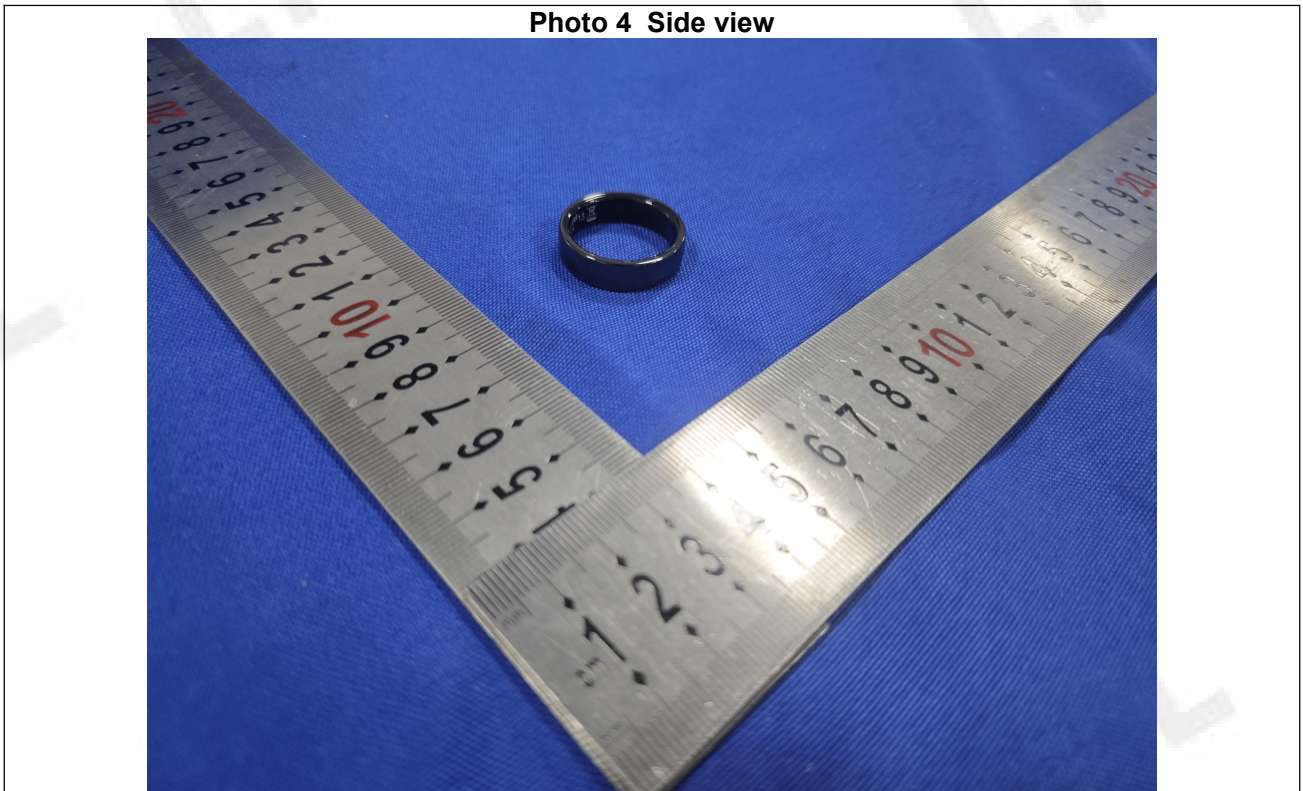


Photo document

Photo 5 Side view

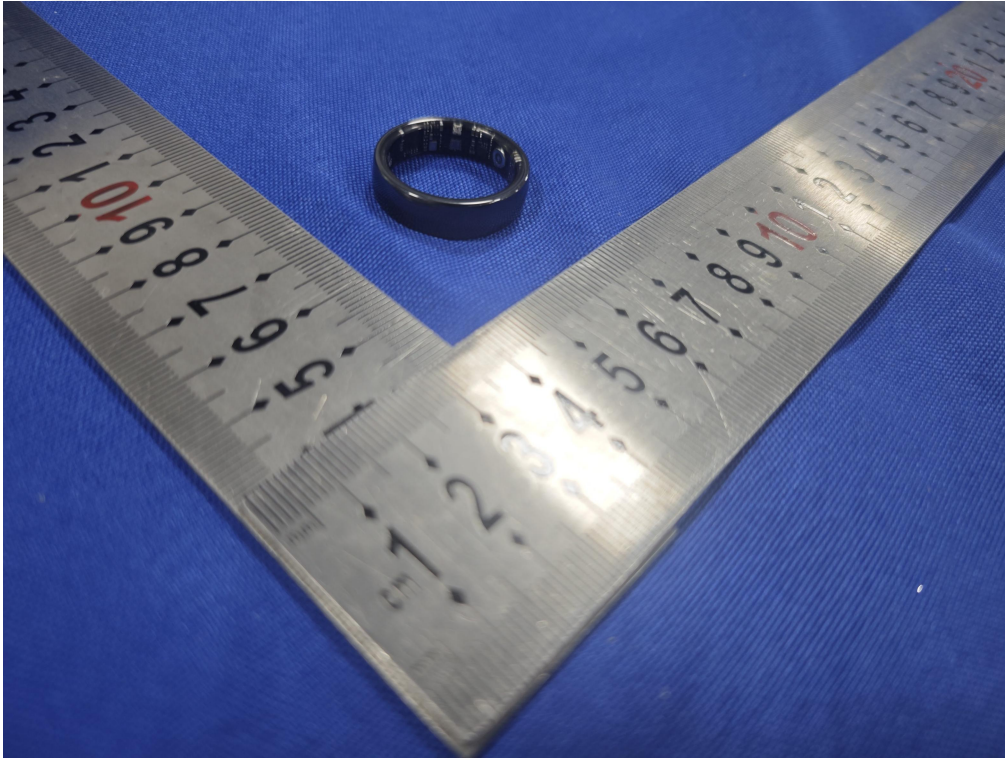


Photo 6 Before test view



Photo document

Photo 7 Test view



Photo 8 After test view



Photo document

Photo 9 After test view



Photo 10 After test view



Photo document

Photo 11 After test view

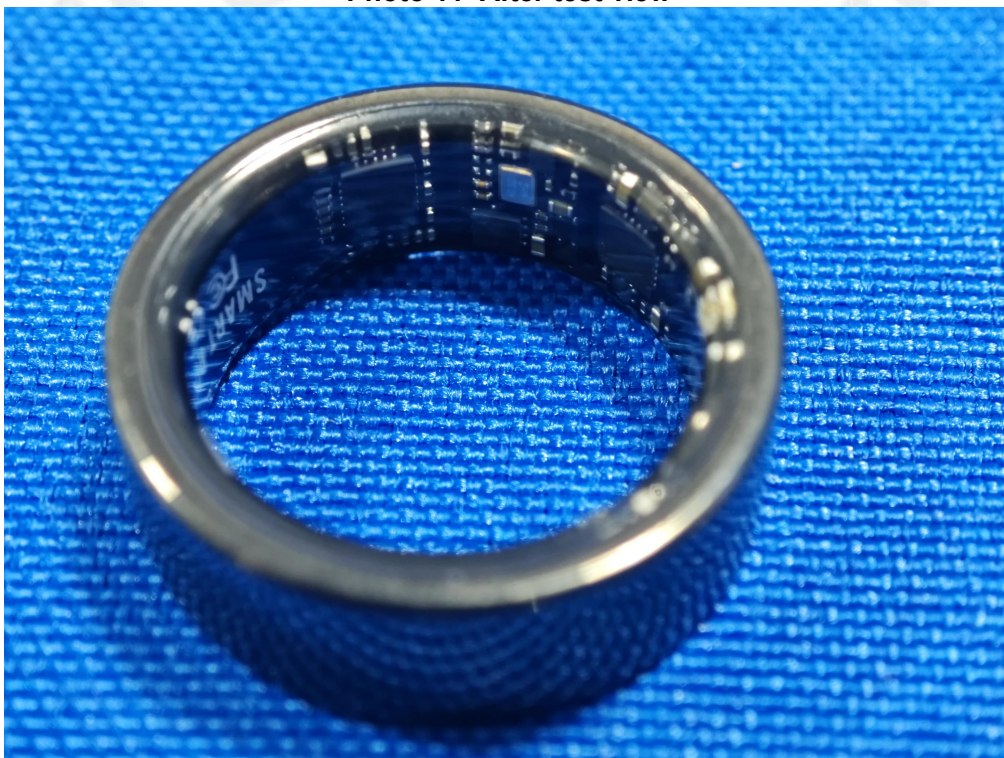


Photo 12 After test view



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