

Aqara Temperature and Humidity Sensor Product Specifications



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Table of Contents

- Revision Record.....3
- 1. Product Description.....4
 - 1.1. Product Overview.....4
 - 1.2. Three-view Diagram of the Product4
 - 1.3. Product Selling Point.....5
- 2. Product Parameters.....6
 - 2.1. Basic Parameters.....6
 - 2.2. Wireless Parameters.....7
 - 2.3. Environmental Parameters.....7
- 3. Product Information.....8
 - 3.1. Button Functions.....8
 - 3.2. Installation Instructions.....8
 - 3.3. Instruction Manual.....8
- 4. Product Testing Information.....9
 - 4.1. Reliability and Quality Testing.....9
 - 4.2. Certification Information.....10

Revision Record

Edition	Revised Content	Editor	Date
V1.0	1. Initial edition	Wu Cuiting	20180516

1. Product Description

1.1. Product Overview

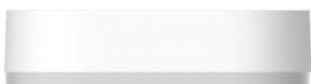
Aqara Temperature and Humidity Sensor is a real time recorder of ambient temperature and atmospheric pressure. Previous and current data are stored in the app and it can communicate with other smart devices through the Hub.

*The product must be used with Hub compatible devices.

*To compatible with Apple HomeKit, an Aqara Hub is required. For more information, please visit www.aqara.com

*The product is limited to indoor use. Please connect to the Hub before using.

1.2. Three-view Diagram of the Product



1.3. Product Selling Point

The temperature, humidity and atmospheric pressure of the environment can be detected by the Temperature and Humidity Sensor.

By communicating with smart devices, automatic air condition temperate & humidity adjusting can be implemented.

The product can be placed or attached anywhere without complicated wiring.

2. Product Parameters

2.1. Basic Parameters

Category	Description
Product Brand	Aqara
Product Name	Temperature and Humidity Sensor
Product Model	WSDCGQ11LM
Product Dimensions	36 × 36 × 9mm
Product Color	White
Product Material	ABS+PC
Battery Model	CR2032
Product Gross Weight	11.5g
Product Net Weight	56.5g

2.2. Wireless parameters

Category	Description
Wireless Connection	Zigbee
Wireless Standard	IEEE 802.15.4
Connection Distance	200M open ground

2.3. Environmental Parameters

Category	Description
Operating Temperatures	-20°C ~ +50°C
Operating Humidity	0~100% RH

3. Product Information

3.1. Button Functions

Button Action	Description
5 Second Long Press	Reset network
Press Once	Looking for device and verifying communication distance.

3.2. Installation Instructions

Method 1: Place in sensed area directly;

Method 2: Remove the protective film from the adhesive tape and attach the device on a surface in the required place.

3.3. Instruction manual

Open the app and select the “+” in the upper right corner of the main page. Enter the add accessory page and select the Temperature and Humidity Sensor then follow the instructions on screen.

*If adding fails, move the sensor closer to the Aqara Hub and try again.

Effective distance verification: Press the device reset button. The Hub should play an indicator sound to indicate if the devices are able to communicate effectively.

Searching for device: Open the app and enter the “device list (accessories)” page. Press the device reset button. The Hub will play an indicator sound while the corresponding device icon flashing in the app.

*Only the Aqara Home app supports this function.

4. Product Testing Information

4.1. Reliability and Quality Testing

Product Name	Tested Item	Details	Source
Temperature and Humidity Sensor	RoHS	Entire product with each component	Presset
	Fall test	1.2M	Testing Technological Service
	High/low temperature test	-10 °C ~ 45 °C, 48 hours under high/low temperature testing	Testing Technological Service
	Tumbler test	Fall height is 1m, 10 times per minute, 100 total drops.	Testing Technological Service
	Temperature impact	Low temperature -20 °C, high temperature 60 °C; Rotation time is 3-5 minutes; test time is 2h, 12 times repeatedly.	Testing Technological Service

4.2. Certification information

Category	Description
Certification Information	FCC ID: 2AKIT- WSDCGQ11LM IC: 22635- WSDCGQ11LM SRRC: CMIIT ID:2016DP6443

