



ZenMeasure

Zenmeasure Wireless Temperature Tag User Manual

About Zenmeasure

Zenmeasure Technology, established in 2014, is a technology and manufacturing company focused on innovation and the development of intelligent hardware, holding complete medical qualifications. The company primarily offers temperature measurement intelligent hardware, IoT, and data analysis services for human and cold chain applications.

For more information, please visit www.meawow.com.

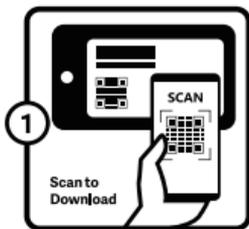
WIRELESS TEMPERATURE TAG INSTRUCTION MANUAL

Introduction

The ZenMeasure wireless tag is a versatile cold chain data-tag designed for multiple uses. With its flexible programming capabilities, this tag empowers you to configure and generate data reports effortlessly using the ZenMeasure T-Tag App.

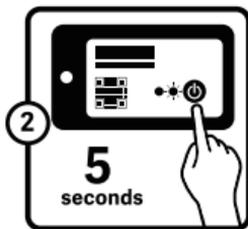
TIPS THE DEVICE HAS A BUILT-IN NON-REPLACEABLE POWER SUPPLY THAT CANNOT BE TURNED OFF ONCE ACTIVATED!

Initial Activation FOR THE FIRST-TIME USE



Download the App

Use your smartphone to scan the QR code on the tag to download the app.



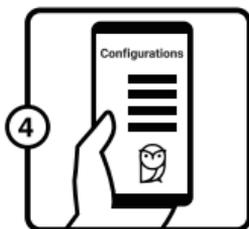
Starting the Device

Press and hold the button for 5 seconds, the green indicator light will be on, which means the device is working.



Connecting Device

Open the app you downloaded in the step 1 and scan the QR code on the tag again to connect the tag to your phone via Bluetooth.



Configure the Device

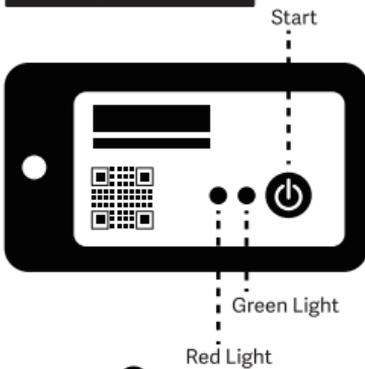
In "Tag information", select "configuration" to configure the tag.



Placement

Placement of configured devices into target environments such as shipping packages and refrigerators.

Checking Device Status



Press the button to check the temperature status.

Judge the device and temperature according to the status of the light.

Red Light	Green Light	Device Status
Off	Off	Power off / Battery out
Off	On	Temperature OK
On	Off	Temperature out of range
Off	Blink	Device connected by Bluetooth, temperature OK
Blink	Off	Device connected by Bluetooth, temperature out of range
Blink	Blink	Low power, please replace the tag

*The unit has a built-in non-replaceable power supply and should be replaced with a new unit when it exceeds its designed service life (at least 1 year).

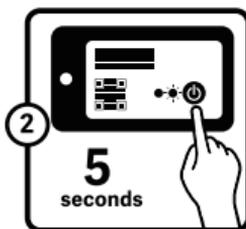
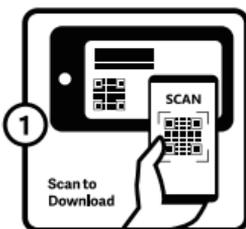
Configure the Device

1. Connecting Device

Open the app you downloaded and scan the QR code on the tag again to connect the tag to your phone via Bluetooth.

2. Configure the Device

In "Tag information", select "configuration" to configure the tag.



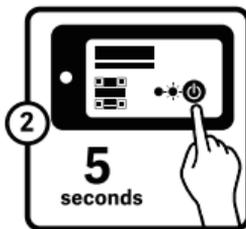
Data Report Generating

1. Connecting Device

Open the app you downloaded and scan the QR code on the tag again to connect the tag to your phone via Bluetooth.

2. Report Generating

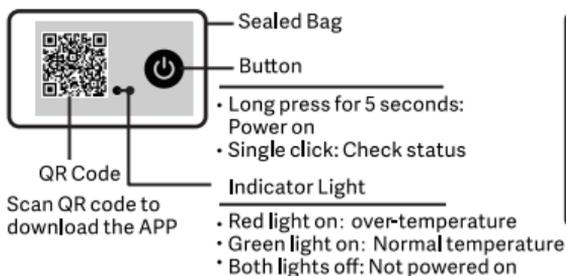
In "Tag information", select "Read data" to check all parameters for report generating. You can set start time, end time, timezone etc parameters for report generating.



*We offer reports in three formats, they are PDF, CSV and JPG. You can share the reports through email if you have email configured in your phone. You can also share data reports through social tools, for example instagram, facebook, line, WeChat etc tools if you install those tools in your phone.

Usage and working environment

Temperature Tag



Outer packaging sticker



*Note: The illustrations are for reference only. The actual appearance of the product may vary.

Important Reminder:

- Please use the temperature tag in the appropriate manner with in your monitoring space.
- The MOT-U202 is capable of measuring temperatures in the range of -30°C to 60°C. However, it is not recommended for prolonged use in environments below -10°C, as this may affect the battery life.
- The temperature tag transmits temperature data via Bluetooth. In indoor environments, it is recommended to use it within a straight-line distance of 10-20 meters, depending on obstacles. In open outdoor spaces, it is advisable to use it within a straight-line distance of 30-100 meters.
- The sealed bag provided with the product is an integral part of it. Please avoid tearing or exposing it to sharp objects. Damage to the sealed bag can significantly impact the product's lifespan and testing accuracy. If it is damaged, please refrain from using it.

Technical Data:

Model: MOT-U202	Sampling interval: 10 seconds
EXTERNAL DIMENSIONS :96mm x 54mm x 5mm	Logging interval: 30sec,1min,2min,5min, 10min (default 5 min)
Weight: ~15g	Start delay: 0min,5min,10min,20min,30min, 60min,90min,120min (default 5min)
Storage condition(inactive): 0°C to +30°C / +32°F to +86°F	Protection class: IP67
Operating temperature: -30°C to +60°C / -22°F to +140°F	Memory space: 100000 points
Alarm temperature range: -40°C to +100°C, in 0.1°C increments / -40°F to +212°F	Operating lifetime: 1 year useful life(-10°C to +45°C /14°F to +113°F)
Temp. accuracy: ±0.5°C / +31.1°F to +32.9°F	Shelf life: 1 year storage
Battery: CR2450 (installed before shipment)	Bluetooth: 5.0

FCC ID: 2APC4-MOT-U202

FAQ

Q: Does the product require charging?

A: The product has a built-in battery, uses Bluetooth Low Energy (BLE) for communication, and operates continuously without the need to turn it off. It can be used for one year and comes with a one-year warranty.

Q: Why does the Bluetooth connection fail?

A: Firstly, make sure the product is turned on (press and hold the button for 5 seconds or more until the indicator light turns on). Then, ensure that your smartphone's Bluetooth is enabled, and that the app has Bluetooth permissions.

Q: How can I retrieve previously recorded temperature data?

A: Before using the product, you need to set the sampling rate, delay time, high-temperature threshold, and low-temperature threshold. Each time you complete these settings, the product's internal temperature data will be cleared and re-recorded.

Q: How do I turn off the product?

A: Once the product is activated, it cannot be turned off until the power is completely consumed.

Q: Is the product for single use or can it be used multiple times?

A: It can be used multiple times.

For other questions, please contact: support@zenmeasure.com.

CE Hereby, Miaomiao Technology (Beijing) Co., Ltd. declares that the radio equipment type MOT-U202 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.meawow.com

FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

 All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection

point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

Service Email: support@zenmeasure.com.

Company Website: www.meawow.com.

Manufacturer: Miaoce Medical Device(Tianjin) Co.,Ltd.

Address: ZX102, F1 Tianjing Neusoft Software Park, Joinscience Medical Valley, No.26 XIQIDAO, Pilot Free Trade Zone, Tianjin, China

EC REP	Like Sun GmbH
	Address: Planckstr. 59, 45147 Essen, Nordrhein-Westfalen, Germany

Manufacturer: Measart Technology INC

Address: 17800 CASTLETON ST STE 665, CITY OF INDUSTRY, California, 91748, United States