



Wireless Temperature Tag

VTS04W02



V-Mark® Wireless Temperature Tag is developed based on Zigbee PRO communication protocol, with low power consumption and the capability to collect ambient temperature data at any time, even when being offline. When the tag is activated, it will start to report the data to the gateway automatically and periodically.

For ease of installation:

- Use magnetic inductor to activate and deactivate
- Automatically seeks and entries V-Mark® Gateway
- Automatically and periodically reports temperature, voltage and signal strength data to the gateway

Features:

- ZigBee PRO BitCloud® communication
 - Proprietary protocol
- Sealed ER14335 lithium-thionyl chloride battery
 - Nominal 5-year battery life
- **Fully sealed design for waterproof**
 - To ensure it will work normally under the environment with low temperature
 - The fully sealed temperature probe has a certain delayed response period, to avoid triggering false alarms

Accessories Included:

- User manual
- 3 mounting plates

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Specifications:

- **Electrical characteristics of operation:**
 - Maximum power supply: 3.6V
 - Maximum operating current: 60mA
 - Sleeping current: 5 μ A
 - -40 ~ 80°C storage and operating environment
- **Maximum Operating Range:**
 - Outdoor visible range 200m
 - Indoor visible range 50m
- **Status Indicators (LEDs):**
 - Status indication of activation and sleep
 - LED lamp lid is under the gray cover at the top of the housing
- **Remote settings**
 - Adaptive temperature data collection interval time base on the setting of the temperature zoom.
 - System clock
- **Communication network:**
 - Zigbee PRO network
- **Measurement range:**
 - Temperature: -40 to 80°C, $\pm 0.5^\circ\text{C}$
- **RF emissive (transmissive) power and sensitivity**
 - TX: +10dbm
 - RX: -99dbm

Appearance characteristics:

Size: Length x width x height 74 mm x 43mm x 19.5 mm

Weight: 42g

Third party certification:

Safety:

RoHS

Wireless device (class B device):

FCC

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FCC Requirement :

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

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.

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.

FCC 20cm Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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