

## Handheld Temperature Probe



### Handheld Temperature Probe VRKRTS03WREG01



The Handheld Temperature Probe is developed to perform a manually triggered temperature measurement activity of the desired zone or touched product. By pushing the button, the probe will be activated and start the measurement. After 5 seconds of stabilized contact, the temperature figure collected will be send to the server using IEEE 802.15.4 communication protocol.

- Users make the probe tine in contact with the desired temperature zone to be measured.
- Automatically reports temperature data collected to the server wirelessly.
- Rounded bottom to eliminate safety issue with the pointed tip.
- 2 LED Light pipes for work indications.
- Transparent window on opposite side of the button for ID tag.

#### Features:

- IEEE 802.15.4 communication
- ABS handheld part
- 304 Stainless steel probe part
- Silicon rubber push button
- IP67 standard of protection
- 2 triple-A's batteries
  - Standby 1-year product life

#### Accessories Included:

- User guide

#### Specifications:

- **Status Indicators (LEDs):**
  - All LED indicators shine through the plastic cover
  - 3 color RGB indicating different status
- **Communications:**
  - IEEE 802.15.4
- **Measurement Range:**

- -40 to 105 °C Measuring Range
- -40 to 85 °C storage
- **Measurement Accuracy:**
  - ±0.5 °C
- **RF emissive (transmissive) power and sensitivity**
  - TX: +4.5dbm
  - RX: -97dbm

#### Appearance characteristics:

**Size:** Handheld part dimension: L235 \* W36.85 \* H27.56 mm.

**Weight:** 70 grams w/ battery; 50 grams w/o battery.

#### Third party certification:

**Safety:**

NSF

**Wireless device (class B device):**

FCC

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#### FCC Warning:

Any 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.

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

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