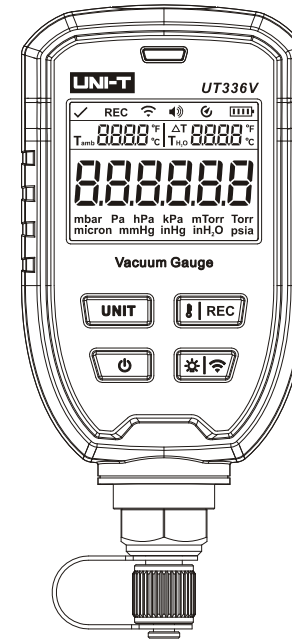


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**UT336V**  
**Wireless Vacuum Gauge**  
**User Manual**

## PREFACE

Thank you for purchasing the new Wireless Vacuum Gauge. In order to use this product safely and correctly, please read this User Manual thoroughly, especially the Safety part. After reading this guideline, it is recommended to keep the manual and product at an easily accessible place, preferably close to the device, for future reference.

## LIMITED WARRANTY AND LIABILITY

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year since the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination and improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-Trend. If you need warranty service within the warranty period, please contact your seller directly.

This warranty is the only compensation you can obtain. Besides, Uni-Trend does not provide any express or implied warranty, e.g. an implied warranty for some particular purpose. Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by any reason or speculation. As some areas or countries do not allow limitations on implied warranties and incidental or subsequent damage, the above limitation of liability and stipulation may not apply to you.

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## 1. Product Overview

The UT336V is a compact, portable and high-precision digital vacuum measurement tool with Bluetooth function. It is mainly used to measure the vacuum degree in refrigeration and heat pump systems, and to determine the degree of dehumidification and impurity removal, which is suitable for the installation, debugging and maintenance of refrigeration and heat pump systems.

## 2. Product Features

- High-precision sensor ;
- Red and blue LEDs visually indicate the degree of vacuum;
- Maximum 8000 off-line data storage;
- Support mobile APP to record data, and export data for report generating;
- IP54 rating;
- Support ambient temperature measurement and multiple unit switching;
- Hand strap design; Easy to place and measure.

## 3. Configurations

|                                        |   |
|----------------------------------------|---|
| Wireless Vacuum Gauge .....            | 1 |
| User Manual .....                      | 1 |
| Safety Guide .....                     | 1 |
| General Download Operation Guide ..... | 1 |
| AA Battery .....                       | 3 |
| Hanging Hook .....                     | 1 |
| Cloth Bag (Hard) .....                 | 1 |

If any components are missing or damaged, please contact your dealer.

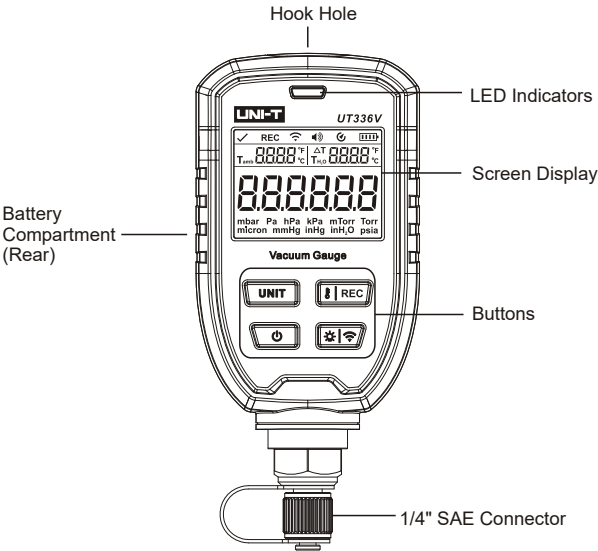
## 4. Safety

Read the Safety carefully and follow the instructions before using the device.

⚠ "Warning" identifies the dangerous situations and operations may cause to users. "Caution" identifies the potential damages may cause to products or test equipment.

- Check the device and accessories before you use the device. Do not use it any more if the housing of device is damaged or it fails to work normally.
- Do not disassemble the device or alter the internal wires randomly to avoid device damage.
- Do not store or use the device in the flammable, combustible and strong electromagnetic environment.
- Use soft cloth and neutral detergent to clean the housing of device. Do not use abrasives and solvents to avoid housing corrosion and device damage. Do not wash the device directly to avoid circuit board get wet.
- The maintenance and repair service must be done by the qualified professional staffs or specified maintenance department.
- Take the battery out to avoid battery leak if it is not used for a long time.
- The standard battery is a non-rechargeable AA battery, please do not charge it;
- When the low battery  is displayed on the LCD , please replace the battery in time for its normal use;

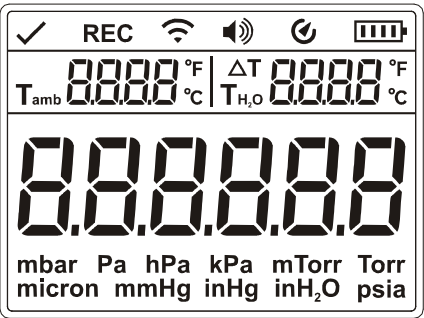
5. Product Structures



6. Buttons

| Buttons | Short Press           | Long Press                 |
|---------|-----------------------|----------------------------|
|         | Vacuum unit switching | Temperature unit switching |
|         | THzO , ΔT switching   | Record ON/OFF              |
|         | /                     | Power on/off               |
|         | Backlight ON/OFF      | Bluetooth ON/OFF           |

7. Icon Display



| Icons      | Descriptions       | Icons                                                                        | Descriptions                               |
|------------|--------------------|------------------------------------------------------------------------------|--------------------------------------------|
|            | APP connected      | 8888 °F<br>8888 °C                                                           | Ambient temperature                        |
| <b>REC</b> | Data recording     | 8888 °F<br>8888 °C                                                           | Temperature difference                     |
|            | Wireless Bluetooth | 8888 °F<br>8888 °C                                                           | Saturation temperature of H <sub>2</sub> O |
|            | Sound prompts      | 888888                                                                       | Measured vacuum                            |
|            | Auto power on/off  | mbar Pa hPa<br>micron mmHg<br>kPa mTorr Torr<br>inHg inH <sub>2</sub> O psia | Vacuum unit                                |
|            | Battery state      |                                                                              |                                            |

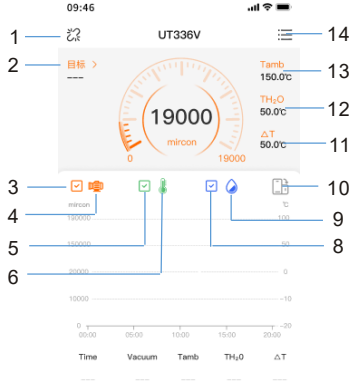
# 8. Operations

## 1) Basic Operations

- Long press the 'POWER' button to power on the device;
- In atmospheric pressure environment, the device will be displayed "----". When the vacuum degree is within the measurement range (1~2533Pa), the current vacuum pressure will be displayed.
- Use a regular 1/4" SAE connector to connect the vacuum gauge to the vacuum system that needs to be measured.

## 2) APP Details

- Before you use the device, please download and install the APP on your mobile phone (For installation methods, please refer to the mobile APP download instructions below)
- Long press  button, the wireless Bluetooth icon flashes, connect the mobile APP, enter the main interface, and the wireless icon is in solid light.



|    |                                                                  |
|----|------------------------------------------------------------------|
| 1  | Return: Exit the connection and back to the connection interface |
| 2  | Targeted vacuum set                                              |
| 3  | Vacuum on/off                                                    |
| 4  | Vacuum degree                                                    |
| 5  | Ambient temperature on/off                                       |
| 6  | Ambient temperature                                              |
| 7  | Record: Start or stop recording                                  |
| 8  | Saturation temperature of H <sub>2</sub> O on/off                |
| 9  | Saturation temperature of H <sub>2</sub> O                       |
| 10 | Landscape/ portrait mode                                         |
| 11 | Temperature difference                                           |
| 12 | Saturation temperature of H <sub>2</sub> O                       |
| 13 | Ambient temperature                                              |
| 14 | Settings Menu                                                    |

## 9. Technical Specification

|                     |                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface           | 1/4" SAE                                                                                                                                                    |
| Vacuum Unit         | micron, mBar, Pa, kPa, hPa, mTorr, Torr, mmHg, inHg, inH <sub>2</sub> O, psia,                                                                              |
| Temperature Unit    | °C, °F                                                                                                                                                      |
| Range               | 1-19000 micron, ambient temperature -10 ~ 50°C                                                                                                              |
| Overload Pressure   | 27.5bar                                                                                                                                                     |
| Resolution          | 1-400micron      1micron<br>400-3000micron      10micron<br>3000-10000micron      100micron<br>10000-19000micron      250micron<br>Ambient temperature: 0.1 |
| Accuracy            | 1-10000micron      ±10%rdg+10micron<br>10000-19000micron      ±20%<br>Ambient temperature: ±0.5°C                                                           |
| Unit Memory         | When power on the device, it defaults to the last unit used.                                                                                                |
| Auto Power Off      | The device will be auto power off after 10 minutes of no operation.                                                                                         |
| Battery State       | 4-bar battery display, low battery prompt                                                                                                                   |
| Battery Type        | AA 1.5V * 3                                                                                                                                                 |
| Battery Life        | 100h (Backlight OFF)                                                                                                                                        |
| Working Environment | -10 ~ 50°C, 90%RH (non-condensing)                                                                                                                          |
| Storage Temperature | -20 ~ 60°C, 80%RH (non-condensing)                                                                                                                          |
| Size                | 145 × 68 × 39 mm                                                                                                                                            |
| Weight              | About 245g (Battery not included)                                                                                                                           |

## 10. Mobile APP Download

Download the mobile APP iENV in the following ways:

- For iOS devices, search and download iENV in App Store;
- For Android devices, search and download iENV in Google Play.

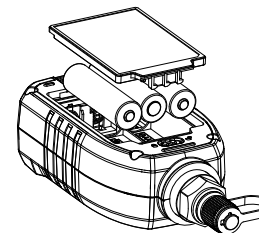
## 11. Maintenance

### a. General Maintenance

- If the product is not used for a long time or is stored in an environment with a temperature above 50°C, please take out the battery to avoid battery leakage.
- Please ensure the battery polarity is correct when you install the battery.
- Use a clean cloth and mild detergent to wipe the housing regularly. Do not use abrasives or solvents to clean the product.
- Do not open the housing randomly to avoid product damage.
- The maintenance and service must be done by the professional personnel or qualified departments.

### b. Battery Installation and Replacement

- The standard battery is 3\*1.5V AA battery, please refer to the following figure for installing or replacing the battery.
- Place the panel of device facing down, open the battery cover and take the battery out; install the new battery as per the polarity of battery.
- Tighten the battery cover after installing the new battery.
- Install batteries in same and standard types.



The User Manual is subject to change without prior notice!

Due to different batches, the materials and details of actual products may be slightly different from the graphic information, please refer to the actual product received. Experimental data provided in the page is from internal laboratory of UNI-T, but it should not be a reference for customer to place orders. Any questions, please contact the customer service, thanks!