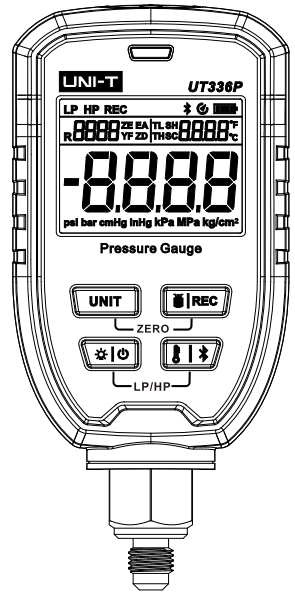
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UT336P KIT

Wireless Pressure Gauges with Temperature Clamp

Quick Start Guide

PREFACE

Thank you for purchasing the new Wireless Pressure 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

UT336P KIT Wireless Pressure Gauge measures the pressure of air-conditioner system, functions off-line data recording, monitors the long-time running of refrigeration and heat pump system, and equips a 3.5mm port for temperature clamp. With temperature clamp's use to view the high- and low-pressure temperature of refrigerant pipe and superheat/subcool from the phone APPs, suitable for the installation, debugging and maintenance of refrigeration and heat pump system.

2. Product Features

- LED indication, high pressure in red, low pressure in blue.
- Maximum 8000 off-line data storage.
- Support external temperature clamps to measure refrigerant pipe's temperature.
- Support mobile APPs to record and export data, and generate data reports.
- IP54 Rating.
- Preset 10 refrigerants.Support mobile APPs to change refrigerants.
- With hook design.Easy to place and measure.

3.Configurations

Wireless Pressure Gauge ----------1
Quick Start Guide----------1
Safety Guide ----------1
Download Guide of Common Files ----------1
AA Battery ---------- 3
Hook(hand strap) ----------1
UT-T19 Temperature Clamp ---------- 1
Swivel Arm 1/4" SAE ---------- 1
Tee Connection 1/4" SAE ---------- 1
Toolbox ---------- 1

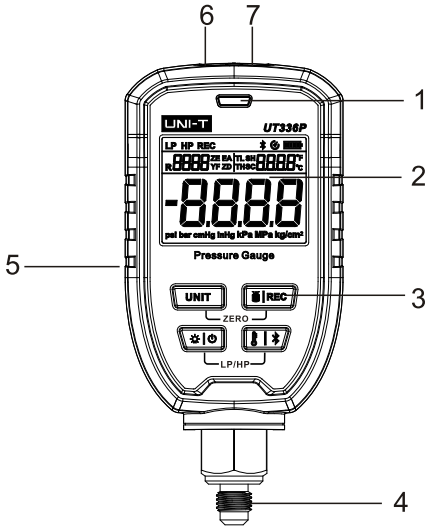
Please contact your dealer directly if any components are missing or damaged.

4.Safety

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

- Take the battery out to avoid battery leak if it is not used for a long time.
- Do not charge the standard AA battery.
- Replace the battery in time if the low battery shows on the LCD.

5. Product Structure

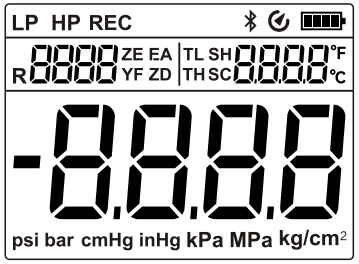


No.	Descriptions
1	High pressure in red LED.
	Low pressure in blue LED.
2	Screen display area
3	Buttons area
4	1/4" SAE Connector
5	Battery holder (rear)
6	Hand strap hole
7	3.5mm port for temperature clamp

6.Buttons

Icons	Buttons	Short Press	Long Press	Button Combination
UNIT	Unit	Pressure unit switch	Temperature unit switch	Zeroing
REC	Record	Refrigerant type switch	Record ON/OFF	
	POWER	Screen backlight ON/OFF	Power on/off	High/Low pressure icon switch
	Bluetooth	Temperature display switch	Bluetooth ON/OFF	

7.Display



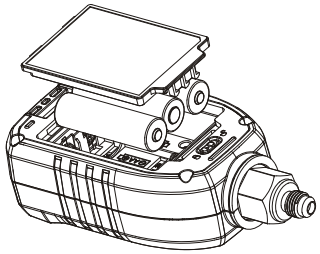
LP	Low pressure icon	**HP**	High pressure icon
REC	Data record icon		Bluetooth icon
	Auto-power-off icon		Battery icon
R ZE EA YF ZD	Refrigerant type	**TL**	Low-pressure temperature
TH	High-pressure temperature	**SH**	Superheat icon
SC	Subcool icon	°F °C	Temperature value; Temperature unit
	Pressure value	psi bar cmHg inHg kPa MPa kg/cm²	Pressure unit

8.Operations

1) Battery Installation

a)Toggle right to open the battery cover.

b) Install the battery as per the polarity and cover it.



2) Basic Operation

a) Long press “POWER” button to power on the device, and pressure value will be showed on the screen.

b) Simultaneously long press “POWER” and “Bluetooth” buttons to switch high or low pressure.

c) The pressure value should be 0 after power-on, if not, simultaneously long press “Unit” and “Record” buttons to zeroing.

d) Use the conventional fluorine tube with 1/4" SAE connector, and connect the Pressure Gauge to the air-conditioner system.

e) 10 preset refrigerant types are optional in the device, and can be changed through phone APPs connecting Bluetooth.

f) Connect mobile APP iENV to view the data, export data report, etc.

g) Connecting UT-T16 temperature clamp, short press “Bluetooth” button, and the Evaporating temperature/Low-pressure temperature (TL)/Superheat (SH in low pressure), or the Condensing temperature/High-pressure temperature (TH)/ Subcool (SC in high pressure) will be circularly showed on the temperature display area.

Notes: TL/SH and TH/SC can be measured by connecting the temperature clamp UT-T19; if fails to connect the temperature clamp, - - - will be showed.

3) APP Use

a) Long press “Bluetooth” button, the Bluetooth icon will be flashing to connect with mobile APP iENV, and then enter the main interface (real-time).

① Return: Disconnect and back to the connecting interface.

② Refrigerant Types: Users can set and update 10 refrigerant types to the device..

③ High-pressure/Low-pressure value: Automatically displays in the APPs after switching high/low pressure.

④ Condensing/ Evaporating temperature: Automatically displays in the APPs after switching high/low pressure.

⑤ High-/Low-pressure temperature: Automatically displays in the APPs after switching high/low pressure.

⑥ Superheat/Subcool: Automatically displays in the APPs after switching high/low pressure.

⑦ Record: Start to record or stop recording (The current data is only recorded by separate APP, not synchronously recorded by device)

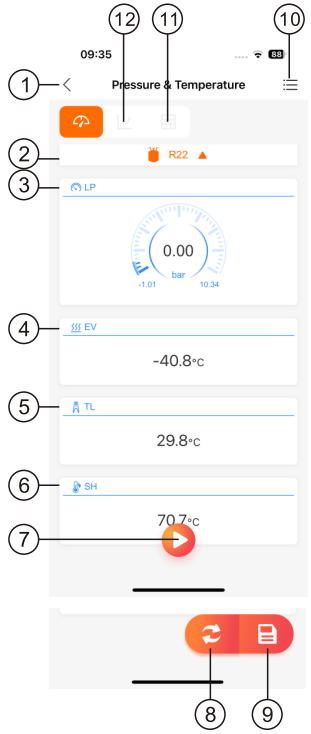
⑧ Refresh: Restart to record (The icon will be showed after stopping recording.)

⑨ Save: Edit the recordings; Export PDF report and CSV files, etc. (The icon will be showed after stopping recording.)

⑩ Settings Menu

⑪ Interface of Data Details: Check when there is available data.

⑫ Interface of Line Chart: Check when there is available data.



b) Settings Menu

① Data Record: The data record history can be separately viewed.

② Device Data: View the current s torage of device, export or delete data, etc.

③ Dual-Dial: Simultaneously display the high- and low-pressure data in the main interface.

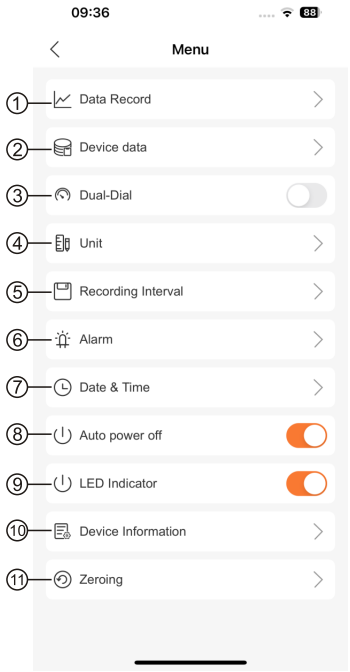
④ Unit: Switch the unit of pressure and temperature.

⑤ Recording Interval: 1s~1h can be set.

⑥ Alarm: Set the alarm threshold of high and low pressure/temperature.

⑦ Date & Time: Set the date and time of the device.

⑧ Auto power off: ON/OFF, auto power off in 10 minutes when in the conditions of Bluetooth disconnection+ no button operation+ not in record state.



⑨ LED Indicator: Make the LEDs on/off.

⑩ Device Information: Device name; model; SN; software version; firmware upgrade; factory reset.

⑪ Zeroing: Zeroing the high- and low-pressure value.

9. Technical Specification & Default Settings

1) Technical Specification

Range/Resolution	-1.00 to 60.00 bar -100 to 6000 kPa -0.100 to 6.000 MPa -14.5 to 870.2 psi -1.01 to 61.18 kg/cm² -75.0 to 4500 cmHg -29.5 to 1771 inHg	0.01bar 1 kPa 0.001 MPa 0.1 psi 0.01 kg/cm² 0.1 cmHg 0.1 in/Hg
Accuracy	±0.5% FS	
Refrigerant Types	10 types are preset (Set via APPs, total 94)	
High/Low Pressure Switch	Supported (High pressure, HP) (Low pressure, LP)	
Data Record	8000	
Data Record Interval	1s~1h (APP setting)	
LED Indicators	Red (HP); Blue (LP); ON/OFF via APPs.	
Phone APP	Supported, connect APP “iENV” via Bluetooth	
Auto Power Off	Auto power off in 10 minutes if no button operations. (ON/OFF via APPs; in ON state, only effective in Bluetooth disconnection+ not in record state.)	
Battery Life	100h, (Alkaline battery; Backlight OFF; LED ON; 1-min record interval)	
Battery Type	3x Alkaline AA battery	
IP Rating	IP54	
Working Temperature & Humidity	-10~+50℃, < 90%RH	
Storage Temperature & Humidity	-20~+60℃, < 80%RH	
Temperature range	-50~+150℃	
Accuracy	±0.5℃ (-50~80℃)	
	±1℃ (80~150℃)	

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2) Default Settings (Factory Settings)

Parameters	Default Value
High/Low Pressure	Low pressure
Default Refrigerant	R22
Pressure Unit	Bar
Temperature Unit	℃
Temperature Display Area	Evaporating Temperature
Record Interval	1 minute
Auto Power Off	ON
LED Indicator	ON
Screen Backlight	OFF

10. Mobile APP Download

Download the phone APP iENV via following ways:
a) For IOS, search and download iENV in the App Store.
b) For Android, search and download iENV in the Google Play.

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!