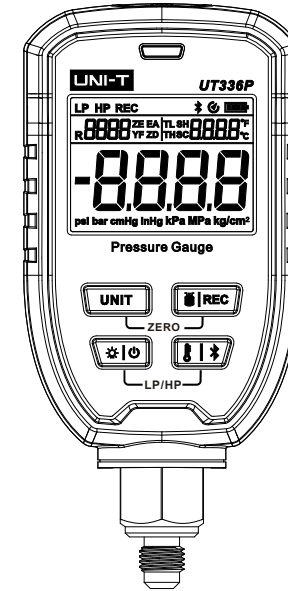


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UNI-T®



UT336P

无线压力表说明书

Wireless Pressure Gauge User Manual

前言

尊敬的用户：

您好！感谢您选购全新的无线压力表，为了正确使用本仪表，请您在使用前仔细阅读本说明书全文，特别是有关“安全须知”的部分。

若您已经阅读完本说明书全文，建议您将此说明书进行妥善保管，最好与仪表一同放置或放在您随时可以查阅的地方，以便在将来使用的过程中进行查阅。

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一、概述

UT336P无线压力表可以测量空调系统压力，具备离线数据记录功能，支持对制冷和热泵系统的长期监测；预留3.5mm温度钳接口，搭配温度钳UT-T19使用可以在APP上查看高/低压冷媒管温度、过热/过冷度；适用于制冷系统和热泵系统安装、调试、维护；

二、特点

- 采用高精度压力传感器；
- LED指示功能，红蓝色直观指示高低压；
- 高达8000条的大容量离线数据存储；
- 支持外接温度夹测量冷媒管温度；
- 自动计算过热度、过冷度；
- 支持手机APP进行数据记录以及导出设备内数据，生成记录报告；
- IP54防护等级；
- 预设10种制冷剂，并支持手机APP更换；
- 挂绳设计，便于用户放置测量；

三、配置

无线压力表	1台
说明书	1份
保修证	1张
AA电池	3节
挂绳	1个
布包	1个

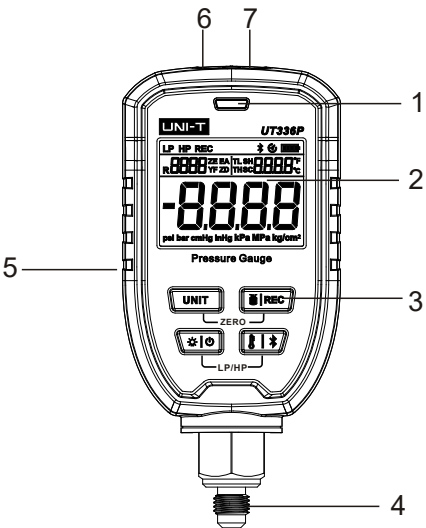
如发现有部件缺少或损坏，请与您的经销商进行联系

四、安全须知

在使用本仪表之前，请仔细阅读以下“安全须知”并遵循本操作说明

- 使用前请检查仪表和附件，谨防任何损坏或不正常的现象。如发现本仪表壳体已明显损坏，或者您认为本仪表已无法正常工作，请勿再使用本仪表；
- 请勿随意打开仪表以及更改内部接线，以免损坏仪表；
- 请不要在易燃、易爆、强电磁场环境中存放或者使用本仪表；
- 维护保养请使用软布及中性清洁剂清洁仪表外壳，切勿使用研磨剂及溶剂，以防外壳被腐蚀，损坏仪表，更不可用水直接冲洗，以免电路板进水造成仪表损坏；
- 本仪表的维修与服务必须由有资格的专业维修人员或指定的维修部门完成；
- 长时间不用请取出电池，以免电池漏液腐蚀仪表；
- 标配电池为不可充电AA电池，请勿进行充电操作；
- LCD上的显示低电符号  时，请及时更换电池，以保证仪表的正常使用；

五. 产品构造

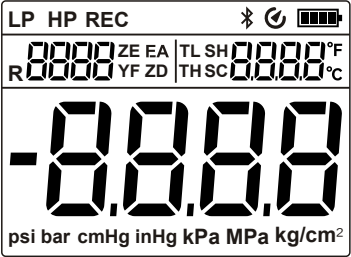


序号	说明
1	高（红色）低（蓝色）压指示LED
2	屏幕显示区
3	按键区
4	1/4" SAE接头
5	电池仓（背面）
6	挂绳孔
7	温度夹3.5mm插座孔

六. 按键说明

	定义	短按	长按	组合键
	单位键	压力单位切换	温度单位切换	置零
	记录键	冷媒类型切换	开启/关闭记录	
	电源键	开启/关闭屏幕背光	开关机	高低压标识切换
	蓝牙键	温度显示切换	开启/关闭蓝牙	

七. 显示说明

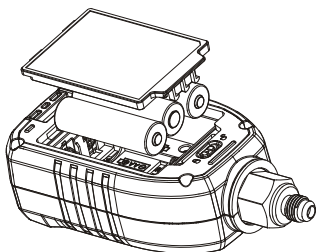


LP	低压图标	HP	高压图标
REC	数据记录图标		蓝牙图标
	自动关机图标		电池图标
	冷媒类型	TL	低压端温度
TH	高压端温度	SH	过热度图标
SC	过冷度图标		温度测量值和温度单位
	压力测量值	psi bar cmHg inHg kPa MPa kg/cm²	压力单位

八. 操作说明

1. 电池安装

- 将电池盖开关右滑可打开电池盖
- 按下图示意极性装入电池并盖好电池盖



2. 基本操作

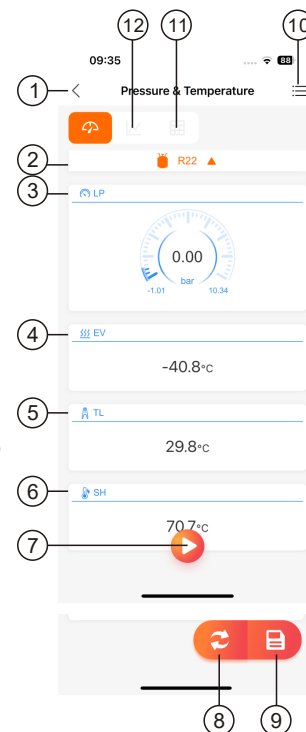
- 长按“电源键”开机，屏幕显示压力值；
- 同时长按“电源键”+“蓝牙键”，切换高压或低压；
- 开机后压力值应为0 如果不为0 同时长按“单位键”+“记录键”清零；
- 使用常规1/4" SAE接口的加氟管，将压力表接入空调系统；
- 选择冷媒类型，仪表上预设有10种，可通过蓝牙连接手机APP更换；
- 连接手机APP IENV后可进行查看数据，导出报告等；
- 连接UT-T19温度夹后，短按“蓝牙键”，温度显区会循环显示蒸发温度/低压端温度TL/过热度SH（低压），或者冷凝温度/高压端温度TH/过冷度SC（高压）

备注：连接温度夹UT-T19后，可以测量TL/SH,TH/SC，如未连接，TL/SH、TH/SC会显示---

3. APP使用

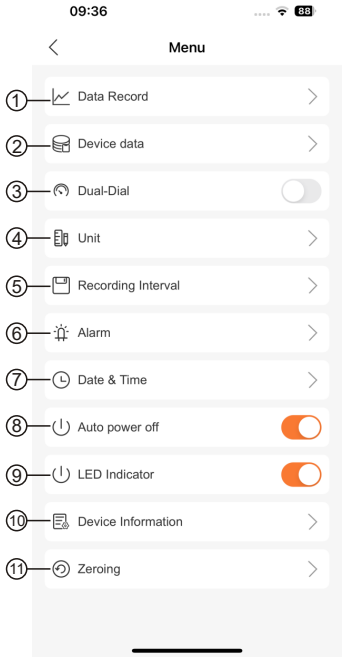
- 长按仪表“蓝牙键”，蓝牙图标闪烁，连接手机APP IENV，进入主界面（实时）

- ① 返回：退出连接返回到连接界面
- ② 制冷剂类型：用户可以自定义10种类型并更新到仪表上
- ③ 高压值/低压值：在仪表上切换高低压后APP上自动切换
- ④ 冷凝温度/蒸发温度：在仪表上切换高低压后APP上自动切换
- ⑤ 高压侧温度/低压侧温度：在仪表上切换高低压后APP上自动切换
- ⑥ 过冷度/过热度：在仪表上切换高低压后APP上自动切换
- ⑦ 记录：开始或停止记录（单独的APP端记录当前数据，仪表不会同步记录）
- ⑧ 刷新：重新开始记录（停止记录后显示此图标）
- ⑨ 保存：可进行记录信息编辑，导出PDF报告、CSV文件等操作（停止记录后显示此图标）
- ⑩ 设置菜单
- ⑪ 数据明细界面：有记录数据后可查看
- ⑫ 折线图界面：有记录数据后可查看



b) 设置菜单

- ① 数据记录：历史数据记录，可进行分别查看
- ② 设备数据：查看设备当前存储容量，进行仪表数据导出、删除的操作
- ③ 双表盘：主界面同时显示高低压数据
- ④ 切换压力单位和温度单位
- ⑤ 记录间隔：1s~1h可设
- ⑥ 报警：设置高低压、高低温度报警阈值
- ⑦ 日期时间：设置设备日期和时间
- ⑧ 自动关机：打开/关闭，开启后仅在断开蓝牙+无按键操作+不在记录状态的情况下，10分钟后自动关机
- ⑨ LED指示灯：打开/关闭仪表上的LED指示灯
- ⑩ 设备信息：查看仪表名称、型号、序列号、软件版本信息，或进行仪表固件更新/恢复出厂设置的操作
- ⑪ 置零：将高低压值置零



九. 技术指标和默认配置

1.技术指标

量程/分辨率	-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/cm ² -75.0 to 4500 cmHg -29.5 to 1771 inHg	0.01bar 1 kPa 0.001 MPa 0.1 psi 0.01 kg/cm ² 0.1 cmHg 0.1 in/Hg
精度	±0.5% FS	
单位	压力：Bar、kPa、MPa、psi、kg/cm ² 、cmHg、inHg	
	温度：℃、°F	
制冷剂类型	仪表端同时显示10种（可在APP设置，共计94种）	
蒸发/冷凝温度	根据冷媒类型显示	
高低压切换	支持（高压HP、低压LP）	
数据记录	8000条	
数据记录间隔	1s to 1h（APP设置）	
LED指示灯	红色（高压）、蓝色（低压），APP设置打开/关闭	
手机APP	支持，蓝牙连接APP"iENV"	
自动关机	10分钟无操作自动关机（APP设置打开/关闭，打开后仅在断开蓝牙+不在记录状态时生效）	
固件升级	支持（APP）	
续航	100小时（碱性电池，不开背光，开启LED，记录间隔1分钟）	
电池	3x碱性AA电池	
防护等级	IP54	
超量程	显示OL（>65bar）	
操作温湿度	-10~+50℃，<90%RH	
存储温湿度	-20~+60℃，<80%RH	
尺寸	145*68*39mm	
重量	约245g	

2. 默认配置（恢复出厂设置后）

参数	默认值
高压/低压	低压
默认冷媒类型	R22
压力单位	Bar
温度单位	°C
温度显示区	蒸发温度
记录间隔	1分钟
自动关机	开启
LED指示灯	开启
屏幕背光	关闭

十. 手机APP下载

可通过以下方式下载手机APP iENV

- a) IOS设备请在App Store搜索iENV 下载；
- b) Android设备请在Google Play搜索iENV下载
- c) 国内用户请扫描下方二维码下载



本说明书如有变更，恕不另行通知！

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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 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
AA Battery -----	3
Hook(hand strap) -----	1
Cloth Bag-----	1

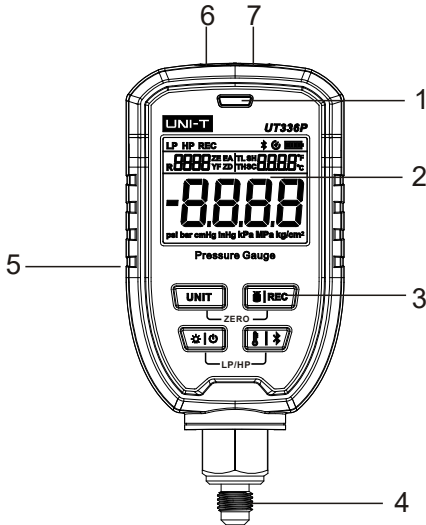
Please contact your dealer directly if any components are missing or damaged.

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

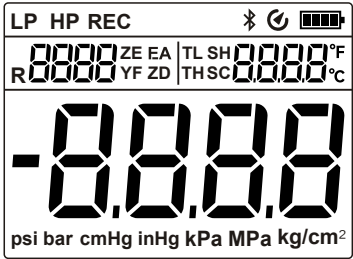


No.	Descriptions
1	High pressure in red LED.
	Low pressure in blue LED.
2	Screen display area
3	Buttons area
4	1/4" SAE Connector
5	Battery holder (rear)
6	Hand strap hole
7	3.5mm port for temperature clamp

6.Buttons

Icons	Buttons	Short Press	Long Press	Button Combination
	Unit	Pressure unit switch	Temperature unit switch	Zeroing
	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

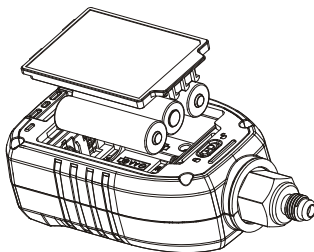


LP	Low pressure icon	HP	High pressure icon
REC	Data record icon		Bluetooth icon
	Auto-power-off icon		Battery icon
	Refrigerant type	TL	Low-pressure temperature
TH	High-pressure temperature	SH	Superheat icon
SC	Subcool icon		Temperature value; Temperature unit
	Pressure value	psi bar cmHg inHg kPa MPa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

8. Operations

1) Battery Installation

- Toggle right to open the battery cover.
- Install the battery as per the polarity and cover it.



2) Basic Operation

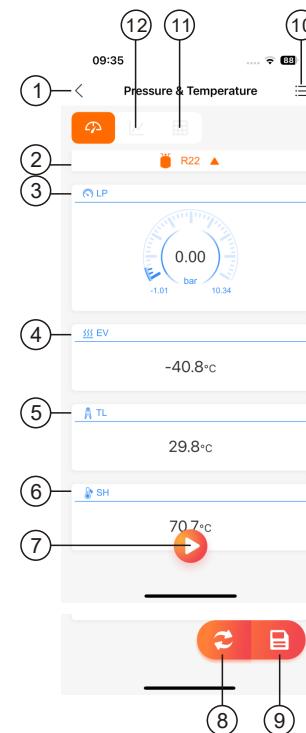
- Long press "POWER" button to power on the device, and pressure value will be showed on the screen.
- Simultaneously long press "POWER" and "Bluetooth" buttons to switch high or low pressure.
- The pressure value should be 0 after power-on, if not, simultaneously long press "Unit" and "Record" buttons to zeroing.
- Use the conventional fluorine tube with 1/4" SAE connector, and connect the Pressure Gauge to the air-conditioner system.
- 10 preset refrigerant types are optional in the device, and can be changed through phone APPs connecting Bluetooth.
- Connect mobile APP iENV to view the data, export data report, etc.
- 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

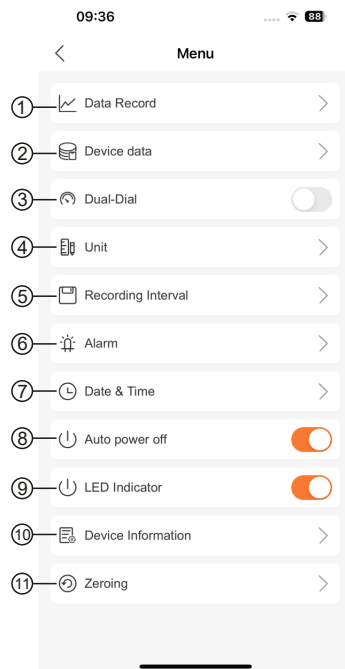
- Long press "Bluetooth" button, the Bluetooth icon will be flashing to connect with mobile APP iENV, and then enter the main interface (real-time).

- Return: Disconnect and back to the connecting interface.
- Refrigerant Types: Users can set and update 10 refrigerant types to the device..
- High-pressure/Low-pressure value: Automatically displays in the APPs after switching high/low pressure.
- Condensing/ Evaporating temperature: Automatically displays in the APPs after switching high/low pressure.
- High-/Low-pressure temperature: Automatically displays in the APPs after switching high/low pressure.
- Superheat/Subcool: Automatically displays in the APPs after switching high/low pressure.
- Record: Start to record or stop recording (The current data is only recorded by separate APP, not synchronously recorded by device)
- Refresh: Restart to record (The icon will be showed after stopping recording.)
- Save: Edit the recordings; Export PDF report and CSV files, etc. (The icon will be showed after stopping recording.)
- Settings Menu
- Interface of Data Details: Check when there is available data.
- 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 storage 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/cm ² -75.0 to 4500 cmHg -29.5 to 1771 inHg	0.01bar 1 kPa 0.001 MPa 0.1 psi 0.01 kg/cm ² 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°C, 90%RH	
Storage Temperature & Humidity	-20~+60°C, 80%RH	

2) Default Settings (Factory Settings)

Parameters	Default Value
High/Low Pressure	Low pressure
Default Refrigerant	R22
Pressure Unit	Bar
Temperature Unit	°C
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!