Digital Pressure Gauge

UT336P

UNI-T

Introduction

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.

Scenarios

HVAC/R

Automobile Air Conditioning Maintenance

Pipeline Pressure

Heat Pump Installation and Maintenance

Main Features

- Measurement range: -1 to 60bar
- Accuracy: ±0.5%FS
- Settable High/Low pressure alarms
- High/low pressure switching and indication
- Switch between multiple units
- Free Bluetooth APP connection
- Up to 8000 data storage with exportable data reports, supports off-line recording
- Compatible with temperature clamp UT-T19
- 10 refrigerants built in the device, 90+ available for easy switch through the app
- Hook design for easy fixing
- Certificate: CE, RoHS

Product Structure

LED Indicator

Screen Display Area

Unit

Recod / Refrigerant Type Switch

Backlight / Power

Temperature / Bluetooth

3.5mm port for temperature clamp

Hand strap hole

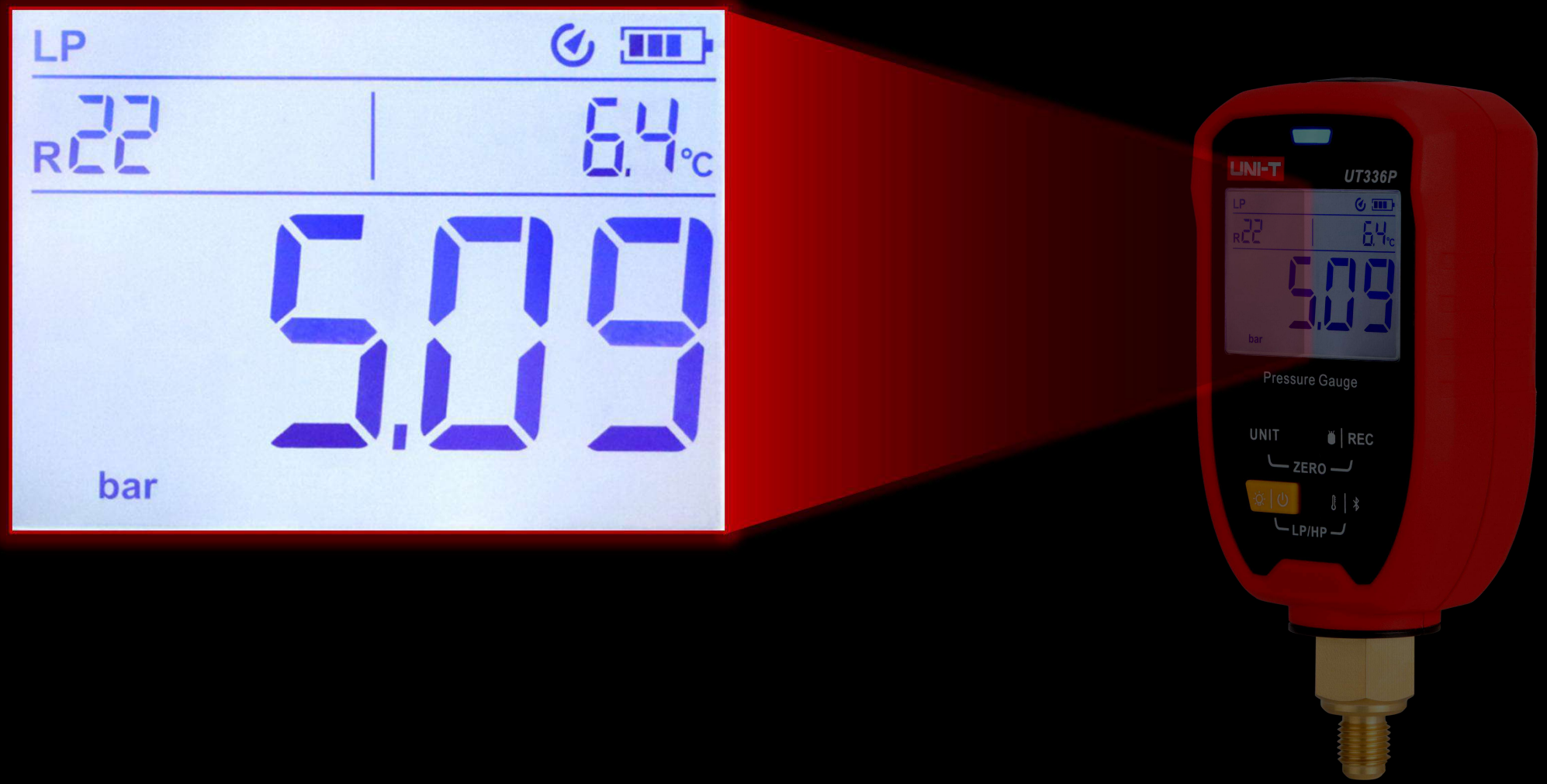
Battery holder (rear)

1/4" SAE connector

Supports HP/LP Switching

HD Backlit Screen

Capable of measuring and displaying real-time pressure and temperature values for both high and low pressure, displaying evaporation temperature, condensation temperature, superheating and subcooling.



Supports Wired Temperature Clamp Connection

UT336P
3.5mm port of
Pressure Gauge

+

UT-T19
Measurement range: -50℃~＋150℃
Accuracy: ±0.5℃(-50℃~80℃), ±1℃(others)
Wire length: 2m

=

Pressure Gauge with Temperature Clamp

“Supported for multiple refrigerants”

CFCs: R11, R12, R113, R114, R115, R500, R503……
HCFCs: R22, R123, R124, R141,R142, R502……..
HFCs: R134a, R404a, R125, R410A……
HCs: R600a……
HFOs: R1234yf……

Preloaded with 10 common refrigerants in the gauge, easily modify via iENV

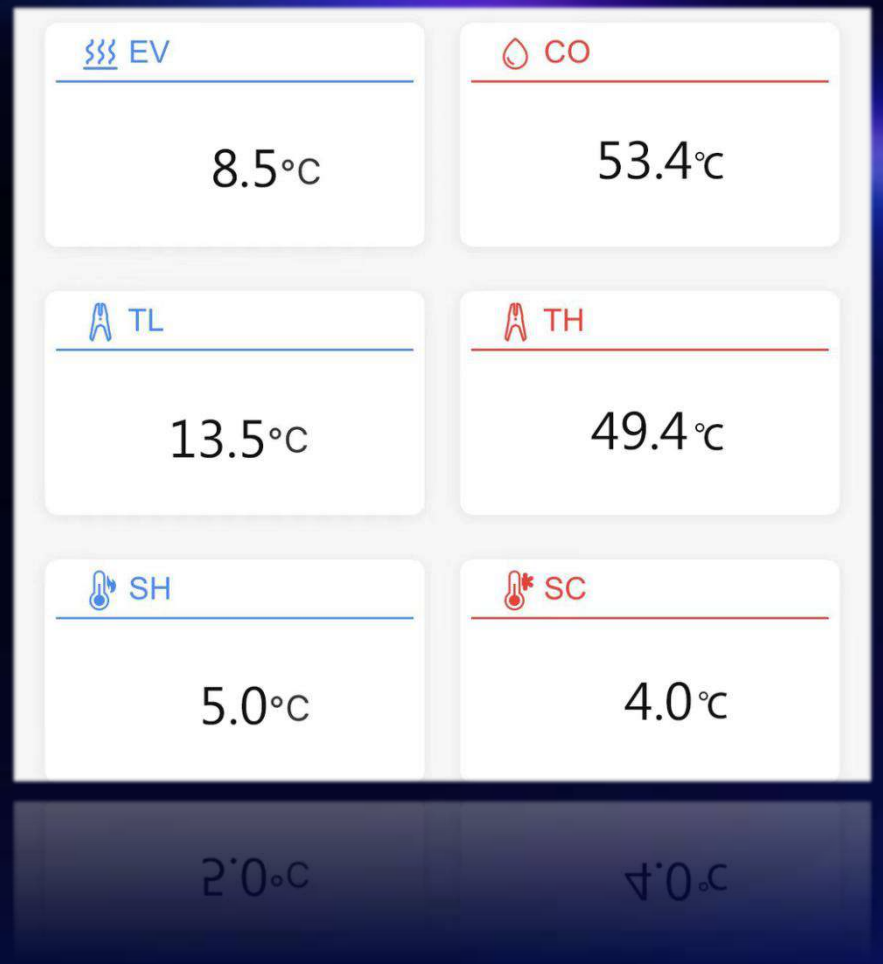
Automatically Calculates Superheat and Subcooling

What is **superheat**?

Superheat refers to the degree by which the temperature of the refrigerant vapor exceeds its saturation temperature. Proper superheat ensures that the refrigerant entering the compressor is purely vapor, preventing liquid refrigerant from damaging the compressor.
Superheat = Actual vapor temperature - Saturation temperature (evaporating temperature)

What is **subcooling**?

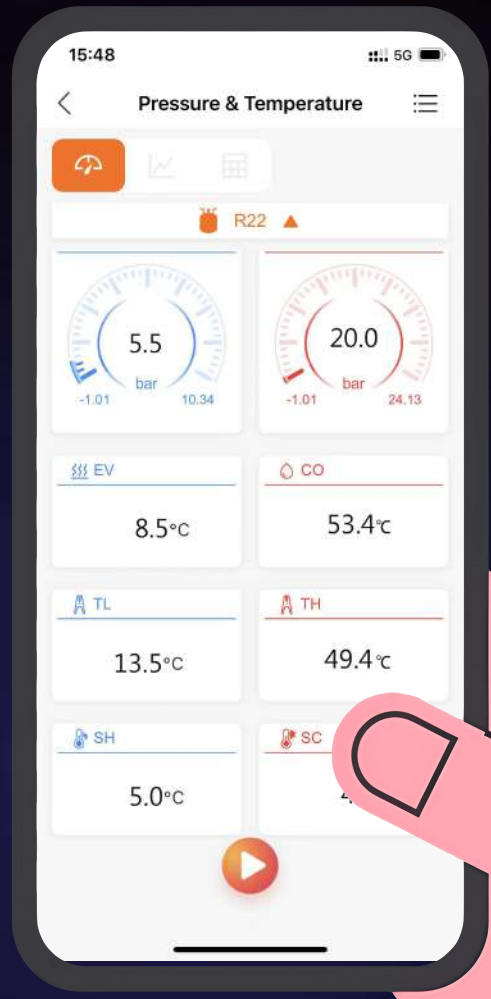
Subcooling refers to the degree by which the temperature of the refrigerant liquid is lower than its saturation temperature, ensuring that the refrigerant entering the expansion valve is purely liquid and preventing vaporization from affecting system stability.
Subcooling = Saturation temperature (condensing temperature) - Actual liquid temperature.

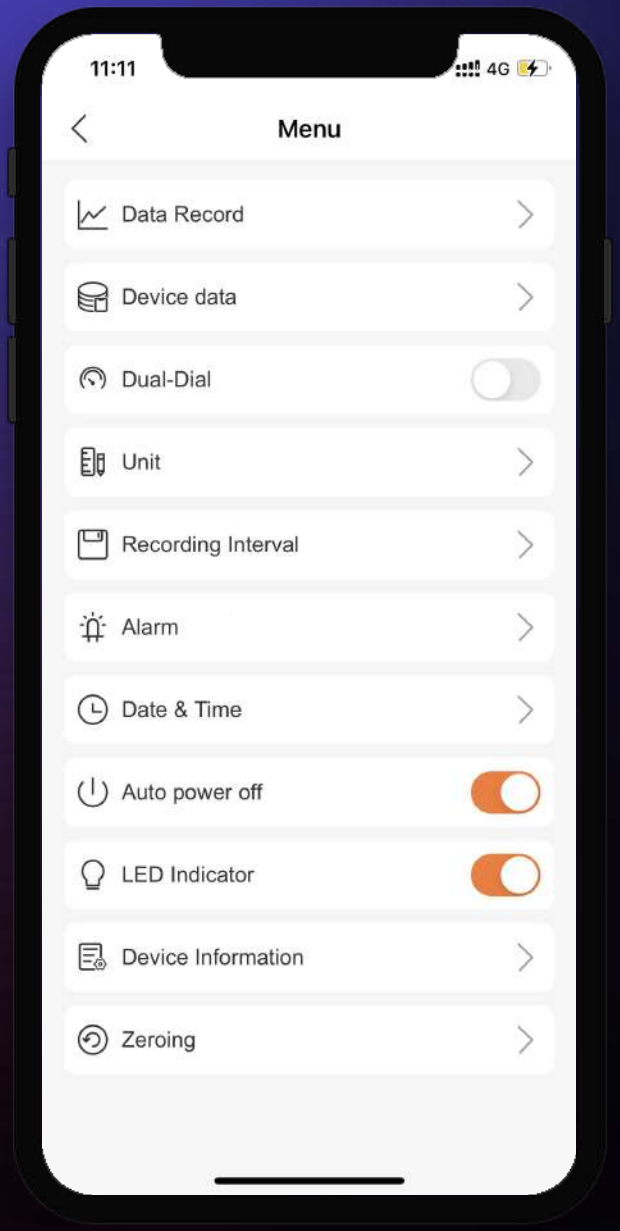


Bluetooth APP Connection

LOW

HIGH





Settable Parameters:

- ✔ Data recording history
- ✔ Device data storage
- ✔ Dual-dial mode
- ✔ Unit switch
- ✔ Recording interval
- ✔ Alarm setting
- ✔ Date&time
- ✔ Auto power off
- ✔ LED indicator
- ✔ Device information
- ✔ Zeroing

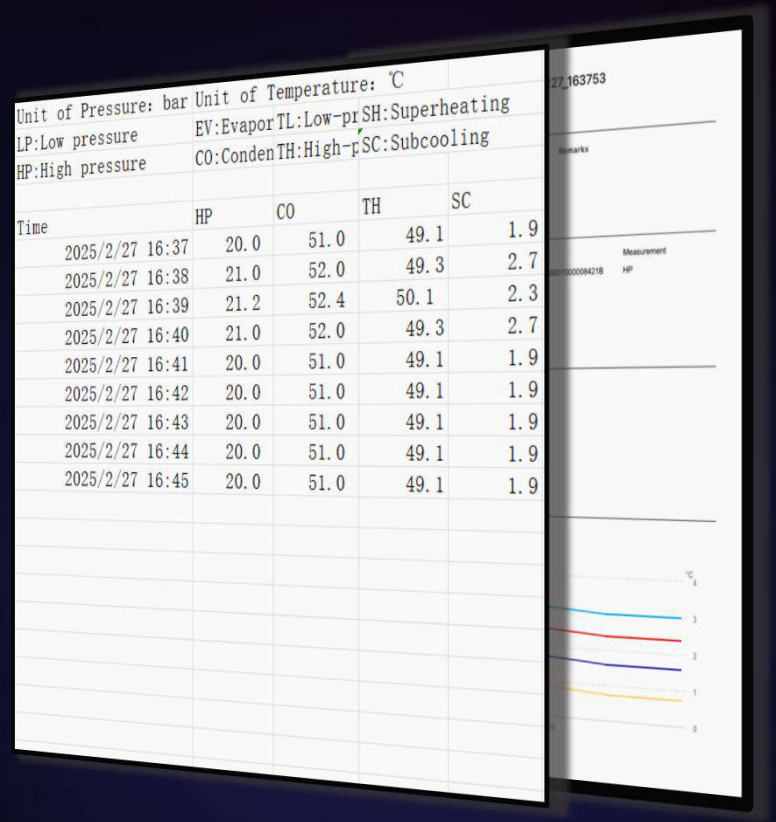
Data Storage

Record data offline without network, seamlessly transfer to mobile app via bluetooth for view and analysis.

×8000 Groups

Automatically generate and export multiple report forms

Enables data recording and exporting, generate PDF reports and CSV files.



Unit of Pressure: bar Unit of Temperature: ℃

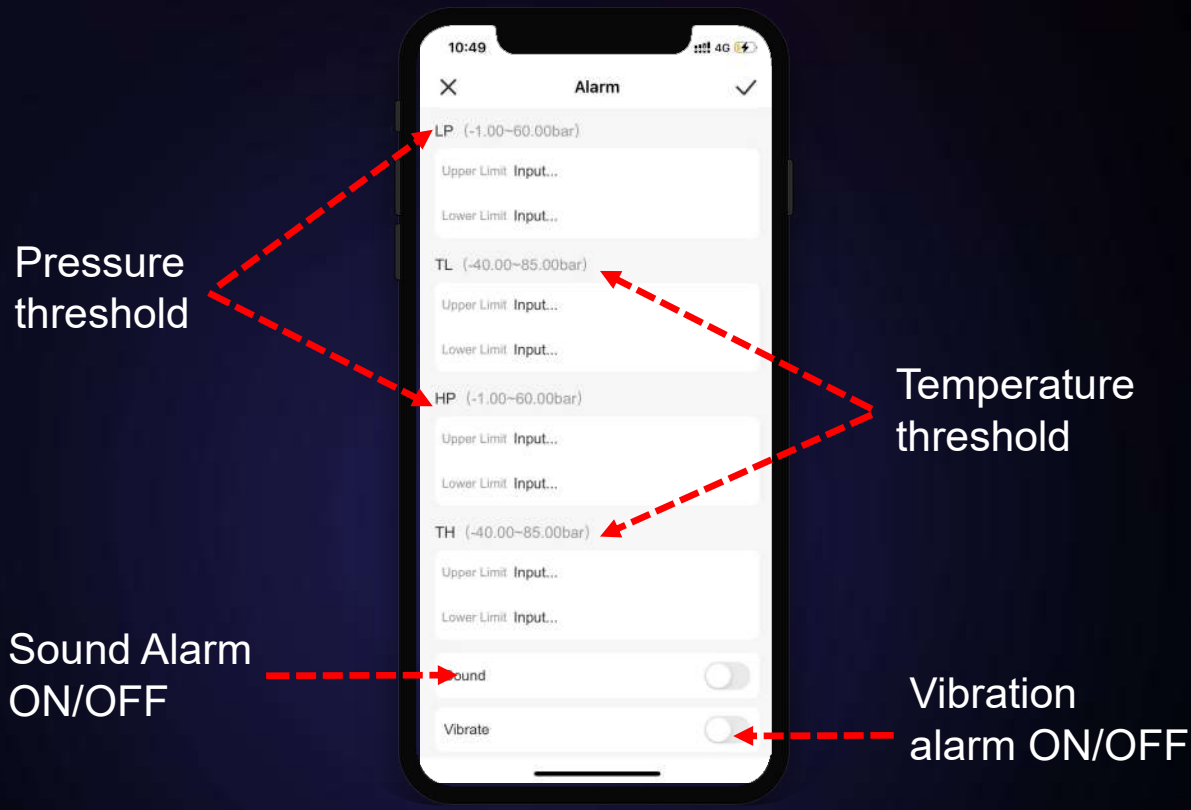
LP:Low pressure	EV:Evapor	TL:Low-pr	SH:Superheating	
HP:High pressure	CO:Conden	TH:High-p	SC:Subcooling	
Time	HP	CO	TH	SC
2025/2/27 16:37	20.0	51.0	49.1	1.9
2025/2/27 16:38	21.0	52.0	49.3	2.7
2025/2/27 16:39	21.2	52.4	50.1	2.3
2025/2/27 16:40	21.0	52.0	49.3	2.7
2025/2/27 16:41	20.0	51.0	49.1	1.9
2025/2/27 16:42	20.0	51.0	49.1	1.9
2025/2/27 16:43	20.0	51.0	49.1	1.9
2025/2/27 16:44	20.0	51.0	49.1	1.9
2025/2/27 16:45	20.0	51.0	49.1	1.9

Multiple Units switch

- ✔ Bar
- ✔ kg/cm²
- ✔ cmHg
- ✔ psi
- ✔ inHg
- ✔ kPa
- ✔ MPa

Alarm Mode

Settable high and low pressure thresholds, receive sound and vibration alarms on phone when thresholds are exceeded.



Hand strap design

Easy to fix and measure.

IP54

Waterproof
Dustproof

Why use UT336P in HVAC/R

- HVAC/R systems utilize digital pressure gauges to measure the pressure and temperature of both the high-pressure and low-pressure sides, enabling real-time monitoring of whether the system is operating under normal conditions. Whether adding refrigerant or performing system maintenance, electronic pressure gauges provide professionals with accurate data support, helping them complete tasks more efficiently and ensuring stable and optimal system performance.
- Compared to traditional mechanical pressure gauges, UT336P offers a range of practical features, such as Bluetooth connectivity for remote monitoring, high-low pressure switching, and automatic calculation of superheat and subcooling. These functions not only streamline operational procedures but also assist professionals in quickly diagnosing issues and optimizing system adjustments, significantly improving work efficiency.

Specifications		
Range/Resolution	-1 to 60bar	0.01bar
	-1.01 to 61.18kg/cm²	0.01kg/cm²
	-75.0 to 4,500.3cmHg	0.1cmHg
	-14.5 to 870.2psi	0.1psi
	-29.52 to 1,771.8inHg	0.1in/Hg
	-100 to 6,000kPa	1kPa
	-0.100 to 6.000MPa	0.001MPa
Accuracy	±0.5%FS	
Units	Pressure: Bar; kg/cm²; cmHg; psi; inHg; kPa; MPa	
	Temperature: ℃; ℉	
Refrigerant Types	10 types are preset (Set via APPs, total 94)	
Evaporating/Condensing Temperature	√	
High/Low Pressure Switch	√	
Data Record	8000	
Data Record Interval	1s~1h （APP setting）	
LED Indicators	Red (HP); Blue (LP)	
Pressure Zeroing	√	
Screen Backlight	√	
Bluetooth APP	√	
Auto Power Off	√	
Firmware Upgrade	√ （APP）	
Temperature Clamp Port	3.5mm port	
Battery Life	100h, (Alkaline battery; Backlight OFF; LED ON; 1-min record interval)	
IP Rating	IP54	
Pressure Connector	1/4" SAE Connector	
Over Range	OL（＞65bar）	
Working Temperature & Humidity	-10~+50℃,＜90%RH	
Storage Temperature & Humidity	-20~+60℃,＜80%RH	
Power Supply	3x Alkaline AA battery	
Product Size	145*68*39mm	
Product Net Weight	250g(Not battery included)	

FAQs

Q：What are the condensation temperature and evaporation temperature of a refrigerant??

A：Saturation temperature refers to the temperature at which the refrigerant undergoes a phase change (transition between liquid and gaseous states) at a specific pressure. In the refrigeration cycle:

The condensing temperature is the saturation temperature at which the refrigerant changes from a gaseous state to a liquid state in the condenser.

The evaporating temperature is the saturation temperature at which the refrigerant changes from a liquid state to a gaseous state in the evaporator.

Q：Does an LED light alarm when pressure or temperature thresholds are exceeded??

A：No. User can set audible or vibration alarm on APP

Q：Does UT336P support to connect other brand's temperature clamp?

A：It is not supported under normal situation.It only supports UT-T19.

Q: When the APP is connected to two UT336P devices simultaneously, can it export the recorded data for both high and low pressure at the same time?

A: Yes, it can. After stopping the recording, on the line graph interface, select the four types of data you wish to export, such as HP, LP, TH, and TL. After clicking to switch, you can change them to HP, LP, SC, and SH. If you also want to retain the other four types of data, you can click the screenshot icon in the upper right corner, and these four types of data will be saved as screenshots in the report. Once the setup is complete, you can proceed to export the report.

*More information can be found in the FAQs section of the official website.

Product Ordering Information

Standard Accessories	Quantity
Product	1pc
Quick Start Guide	1pc
Safety Guide	1pc
Download Guide of Common Files	1pc
AA Battery	3pcs
Hand Strap	1pc
Cloth Bag	1pc
Gift Box	1pc

Product Ordering Information

Standard Accessories	Quantity
Teperature Clamp	1pc
Blister	1pc
Tag	1pc

THANKS!