SMART TOOLS

FOR AIR CONDITIONING& REFRIGERANT MEASUREMENT

www.uni-trend.com

UT336P

Wireless Pressure Gauge

*LED indication, high pressure in red, low pressure in blue.
*Bluetooth App connectivity for easy data observation and recording.
*Up to 8000 data storage with exportable data reports.
*Automatically calculate superheat and subcool.
*Preset 10 refrigerants.Support mobile APPs to change refrigerants.
*Support external temperature clamps.(UT-T19)

Specification		
Range/resolution	-1 to 60bar	0.01bar
	-14.5 to 870.2psi	0.1psi
Accuracy	±0.5%FS	
Pressure Units	bar; kg/cm²; cmHg; psi; inHg; kPa; MPa	
Evaporating/condensing Temperature	√	
Battery life	About 100h	
Battery type	3× AA battery	
IP rating	IP54	
Pressure connector	1/4" SAE Connector	

UT336V

Wireless Vacuum Gauge

*Bluetooth App connectivity for easy data observation and recording.
*Up to 8000 data storage with exportable data reports.
*Intelligent H2O State Judgement, providing intelligent assessment of water state.
*Settable High/Low pressure alarms with audible and visual alerts (LED & buzzer)

Specification	
Pressure connector	1/4" SAE
Vacuum measurement range	0 to 19,000micron
Accuracy	100 to 10,000micron ± (10% of reading+10 microns); 10,000 to 19,000micron ± (20% of reading)
Pressure Units	mbar, Pa, kPa, mTorr, Torr, micron, mmHg, inH2O, psia
Ambient temperature range	-10.0 to +50.0 °C
Accuracy	±0.5 ℃
The saturation temperature of water	√
△T(TH2O-Tamb)	√
Vacuum target value	√
Battery life	About 120h
Battery type	3× AA battery
IP rating	IP54

UT320i

Wireless Temperature Clamp

*Units switch: ℃, ℉
*Connects to UT336E and mobile APP via Bluetooth.
*Come with LCD display
*Rechargeable lithium battery

Specification	
Pipe diameter range	6~42mm
Temperature measurement range	-50~+150 ℃
Accuracy	±0.5 ℃ (-50~80 ℃) ±1 ℃ (Others)
Data storage	8000
Battery type	Rechargeable lithium battery
Bluetooth APP	√
IP rating	IP54
Drop test	2m

UT336P KIT

Wireless Pressure Gauge with Temperature Clamp

*For features and specifications, please refer to the UT336P and UT-T19.

Specification	
Accessories	Wireless Pressure Gauge, AA Battery*3, Hand Strap, Toolbox*1, Temperature Clamp*1, Bent Adapter*1, Three-Way Connection*1

UT-T19

Temperature Clamp

Specification	
Sensor	NTC
Measuring Range	-50°~+150°
Accuracy	±0.5 ℃ (-50 ℃~80 ℃), ±1 ℃ (others)
Wire Length	2m

◆ Related Product

UT366A

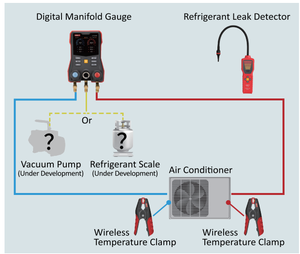
Digital Manometer

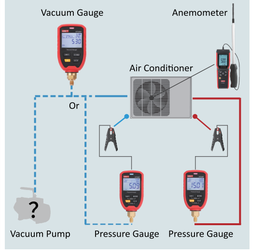
Main features:
- Measurement range: 0.000~±2.175psi
- LED indicator lights
- P1/P2 measure independently
- Pressure difference display(P1-P2)
- Wind speed measurement by connecting pitot tube Multiple units

UT362H

Hot Wire Anemometer

Main features:
- Split design and platinum resistance sensor
- Retractable rod in aluminum alloy
- Measurement range: 0~30.0m/s
- 99 sets of data storage
- Wind velocity/volume/temperature measurement





UNI-TREND TECHNOLOGY
www.uni-trend.com

Official Website

E-Catalog

Facebook
https://www.facebook.com/unitrend88/

YouTube
https://www.youtube.com/UniTrendTechnology

LinkedIn
https://www.linkedin.com/company/uni-trend-technology-china-limited

Digital and Useful Tools for HVAC/R

With the continuous development of HVAC/R technology, the running and maintenance requirements on refrigeration and heating systems are also increasing. Thus, we provide smarter and more practical tools for staffs to improve work efficiency and simplify operation processes, ensuring that systems are more efficient and reliable. See followings for a brief introduction on refrigeration and heating systems' applications.

Refrigerant Leakage

- When the refrigerating efficiency is reduced or the energy consumption is increased in the refrigeration system , it may be the refrigerant leakage in the system. If it is not maintained and repaired in time, it will lead to the compressor damage in the long term, causing the system failed or running life shortened.
- **The UT336A/UT336B can be used to detect the refrigerant leakage**, slowly move the probe along the pipeline, the device alarms when detects the leakage, and the sensitivity of probe can be adjusted for efficient detections of different concentrations. Accurately locate the refrigerant leakage can provide a better maintenance.

Refrigerant System Installation & Debugging

- When installing or debugging the refrigeration system, read and record the pressure and temperature at high- and low-pressure.
- **UT336E Digital Manifold Gauge and UT336P Wireless Pressure Gauge** support various refrigerant types, display the real-time changes of pressure and temperature , and function data storage, Bluetooth connecting APP and data exporting.
- By using UT336E, maintenance personnel can determine whether there is leakage, blockage or other failures in the system, quickly locate the leakage, and adjust the system in time.

System Vacuuming

- The purpose of system vacuuming is to remove air and moisture from the refrigeration system, ensuring the efficient running and long-term reliability of system.
- During the installation or maintenance of refrigerationSystems, connect the vacuum pump to UT336E Digital ManifoldSauge, enable the vacuum pump and discharge the refrigerant fromthe system to create an empty state.
- In the process of vacuuming, use **UT336V Vacuum Gauge** to monitor the vacuum degree and ensure the running state of system.

Refrigerant Injection

- When the system reaches the desired vacuum, connect the refrigerant bottle. Use an Electronic Refrigerant Scale to accurately weigh and slowly fill it into the system.
- Check the running pressure and temperature of system to ensure that it is within the normal range.

iENV, More Powerful, More Compatible

Say goodbye to the tedious, welcome the intelligent! iENV can not only connect various environmental meters, but also connect with refrigeration measurement tools through Bluetooth, monitor the real-time data, generate and export accurate reports, and analyze data conveniently. Whether it is to set the parameters of device or in daily operation, an APP can do it, making work more efficient and easier.

Measurement of Multiple Refrigerants

Support to measure multiple refrigerant types(When a new refrigerant type is added, it can be updated through the app.)

CFCs R11, R12, R13, R14, R15, R500, R502.....
HCFCs R22, R123, R141,R142.....
HFCs R134a, R125, R32, R410A.....
HCs R600a, R290, R1270.....
HFOs R1234yf, R-1234ze.....

Measurement of Multiple Targets

Use advanced tools to measure the **temperature**, **pressure**, **leakage** and **vacuum** of **refrigeration** system. Make sure the system runs efficiently!

Visual Alarm

With LED indicators, get to know the alarm state clearly.

IP Rating

Durable and Reliable

Easy-to-Carry, Portable

For example, UT336P KIT, UT336E provides a practical tool box.

Applications

It is widely used in the installation, debugging and maintenence of refrigerating system and air conditioning system.

Model	UT336E		
	Range	Accuracy	Resolution
Pressure	-1.00~+60.00bar	±0.5%FS	0.01bar
Vacuum (Connect UT336V)	0~19,000micron	100~10,000micron ±(10% of reading+10 microns); 10,000~19,000micron: ±(20% of reading)	1
Temperature	-50~+150℃	±0.5℃(-50~80℃) ±1℃(other)	0.1
Refrigerant Pipe Interface	3*1/4"		
Pressure Overload	65bar		
Pressure & Temperature Measurement	√ (Superheating and subcooling automatic calculating)		
Automatic high/low pressure switch	√		
Evacuation Mode	√		
Pressure Holding Measurement	√		
Temperature Compensation	√		
Pressure Units	bar, kg/cm², psi, kPa, MPa		
Vacuum Units	mbar, Pa, KPa, mTorr, Torr, micron, mmHg, inHg, inH20, psia		
Power Supply	5200mAh Rechargeable Li-ion Battery		
Working Temperature & Humidity	-20~+50℃,10~90%RH(No Condensation)		
Connectable models	UT320i, UT336V		

Applications

It is widely used in the refrigeration industries of air-conditioner maintenance, vehicle repair, refrigeration equipment inspection, refrigerator maintenance and others need to use refrigerants.

Model	UT336A	UT336B
Sensor	Negative Corona Sensor	Semiconductor Sensor
Maximum Sensitivity	3g/a	
Warm-Up Time	3s	60s
Sensitivity Adjustment	6 Levels	
Alarm Light	6 Levels	
Battery Status	√	
Zero Reset	√	
Probe Light	-	√
Mute	√	
Battery Life	20h	10h
Auto Power Off	√	
Probe Life	About 50h in normal detection condition	About 2yr (Calculate as per 2.5h per day)
Power Supply	AA Alkaline Battery *4	
Operating Temperature and Humidity	0℃-50℃,<95%RH(non-condensing)	