



## ***View All Indoor and Outdoor AC/R System Parameters from One Location***

***Wireless Vacuum Gauge Probe***

***Target Superheat Calculation***

***Pressure Probes w/ 180° Articulation***

***Refrigerant Pass Through Port***

***Wireless Pipe Clamps***



- ✓ ***System refrigerant charging calculations***
- ✓ ***Temperature split and psychrometric calculations***
- ✓ ***Dual mode vacuum screen for evacuation & rise tests***
- ✓ ***Real time target superheat calculation***
- ✓ ***Wireless distance of 350ft pending environment***
- ✓ ***Easy drag-and-drop probe connections***

**Wireless Hygrometer**



Magnets secure Hygrometer to plenum and the position lock holds probe in optimum air stream path.

**Wireless Pressure Probe**



Pass thru port hook up, no hoses or adapters needed. 180° articulation allows access in tight spaces.

**Wireless Vacuum Gauge Probe**



Instant warm up and response time with an oil contamination and sensor failure detection.

**Wireless Pipe Clamp**



Narrow head for tight spaces with a thermally isolated sensor for greater accuracy.

**Outdoor Temperature Probe**



Magnetic hanger allows for temperature measurements in direct air stream.

# HUB8

## Smart Refrigeration Probes Deluxe Kit

- ✓ **1 Wireless Vacuum Gauge Probe**
- ✓ **2 Wireless Hygrometer Probes**
- ✓ **2 Wireless Pressure Probes**
- ✓ **2 Wireless Pipe Clamps**
- ✓ **1 Wireless Outdoor Temperature Probe**

Batteries, 45° coupler, Color-coded  
Indication stickers and Carrying Case  
Free App and Manual available for download



### Wireless Vacuum Gauge Probe

- Range 0-20,000 Microns
- 1-micron Resolution,  $\pm 5\%$  reading  $\pm 5$  microns accuracy
- Oil contamination and sensor failure detection
- Instant warm-up and response time
- 1/4" Nickel-plated flare fitting
- 45° coupler included

### Wireless Pressure Probes

- Pass through refrigerant port for easily adding or recovering refrigerant from the system without disconnecting probes.
- 180° rotation for easy use in cramped spaces.
- Range 0 to 725 psig, resolution 0.1 psi.
- Accuracy 0.5%FS (@25 $\pm 3^\circ\text{C}$ ), total 1%FS

### Wireless Pipe Clamps

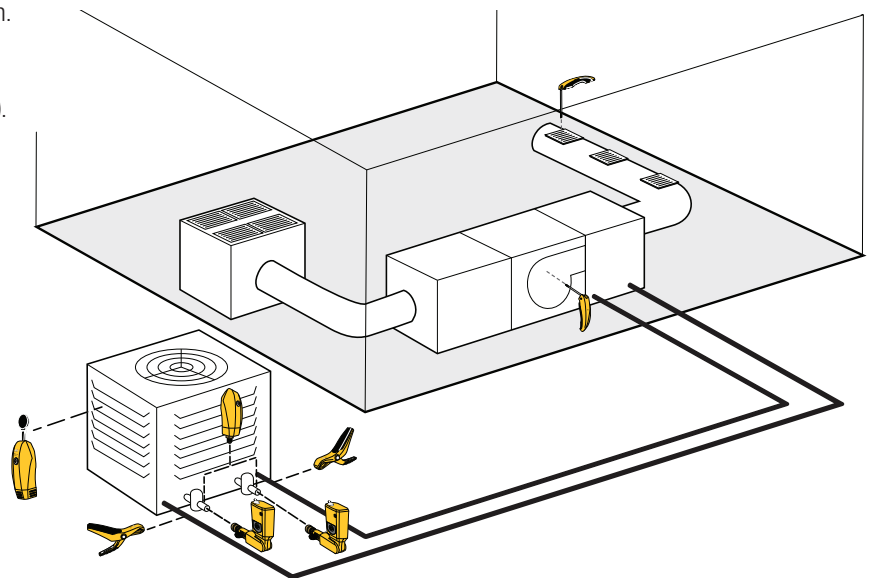
- Sensor is thermally isolated from ambient temperatures
- High accuracy thermistor provides better results than thermocouples and doesn't require field calibration.
- Slim design fits into tight spaces
- Range 32° to 176°F (0° to 80°C), resolution 0.1°F.
- Response time < 30 sec. Accuracy  $\pm 0.6^\circ\text{F}$  ( $\pm 0.3^\circ\text{C}$ ).

### Wireless Hygrometer Probes

- Slimmest 1/4" hygrometer probe means smaller drill holes.
- Magnetic mount and locking probe holds WHP1 to plenum for hands-free operation.
- Temp range: 32° to 140°F (0° to 60°C), Accuracy:  $\pm 0.5^\circ\text{F}$  ( $\pm 0.3^\circ\text{C}$ ).
- Relative Humidity: 0 to 100% (0.1% resolution,  $\pm 3\%$  accuracy from 20 to 80%  $\pm 5\%$  otherwise).

### Wireless Outdoor Temperature Probe

- Temperature range 32° - 180°F (0° - 82°C)
- Magnetic hanger allows for temperature measurement in direct air stream
- Compact light weight design



# UEi HUB

## Free Intuitive App Features Vacuum, Refrigeration & Air Calculations

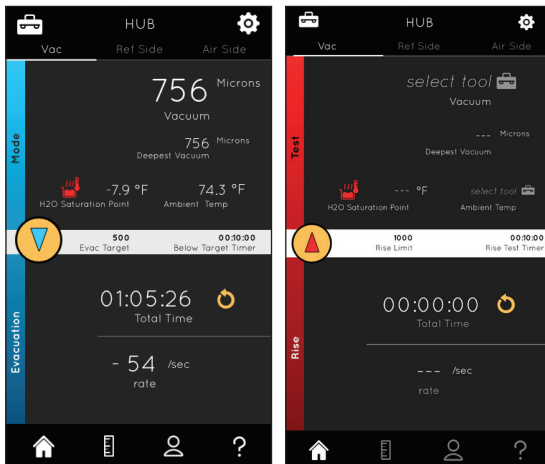


### Measurement & Calculations

- Liquid and Suction line pressures, temperatures, saturations and outdoor dry bulb
- Superheat, subcooling and target superheat
- Delta and target delta temperatures
- Air Return and supply relative humidity, dry bulb, wet bulb, dew point and enthalpy
- Vacuum & deepest vacuum
- Evacuation and rise Limit target, timer
- H2O saturation point indication
- Selectable units of measure
- High altitude compensation
- 108 refrigerants list and favorites refrigerant menu

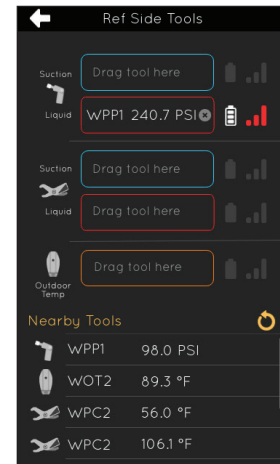
### Vacuum Screen

Dual Mode Vacuum screen for Evacuation and Rise Tests.  
Allows you to easily set Evacuation and Rise Tests values and timer.



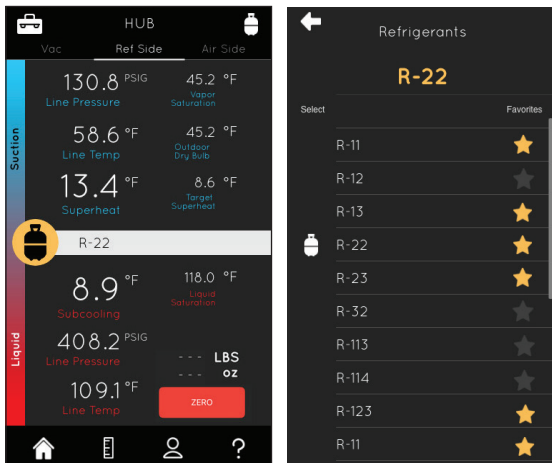
### Quick Connections

Easily assign where probes are used on system.



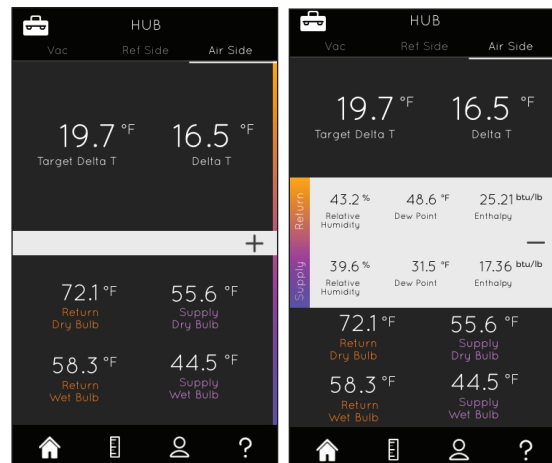
### Refrigeration Screen

View Refrigerant values and *real-time target superheat*.  
Select from list of 108 refrigerants and save most used types.  
**NOW Adds UEi Scale Measurements!**



### Air Side Screen

Air Side screen displays return & supply measurements allowing users to view additional calculations.



Requires compatible mobile device  
Android™ 5+, iOS® 10+ or iPadOS™ 10+



## Specifications

	WHP1	WPP1	WPC2	WOT2	WVG2
Range	Temperature: -4° to 257°F (-20° to 1250°C) Relative Humidity: 0% to 100%	PSIG: 0 to 725	Temperature: 32° to 180°F (0° to 80°C)	32° to 180°F (0° to 82°C)	0 to 2000 microns
Resolution	Relative Humidity: 0.1%	Temperature: 0.1 PSI	Temperature: 0.1°F	Temperature: 0.1°F	1 micron
Accuracy	Temperature: ±0.6°F (0.3°C) for 32° to 140°F (0° to 60°C) all others ±1.0°F (±1.0°C)	0.5% F.S. (at 25° ±3°C) Total 1% F.S. 32° to 158°F (0° to 70°C)	±0.6°F (±0.3°C) For 14°F to 176 °F (10°C to 80°C) Otherwise: ±1.0°F (±0.5°C)	± 2°F (1°C)	±5°F
	Relative Humidity: ±3% 20% to 80% otherwise ±5%				±5% rdg ±5 Microns
Response Time			<30 sec.	Instant	
Over Range		1000 PSI			700 PSI
Operating Temperature	-40° to 185°F (-40° to 85°C) Recommended 41° to 140°F (5° to 60°C)	14° to 158°F (-10° to 70°C)	32°F to 180°F (0°C to 82°C)	32° to 180°F (0° to 82°C)	10° to 122°F (-12° to 50°C)
Storage Temperature	14° to 140°F (-10° to 60°C)	14° to 140°F (-10° to 60°C)	14° to 140°F (-10° to 60°C)	14° to 104°F (-10° to 40°C)	
Operating Humidity	20% to 80% R.H.. Recommended: Do not use longer than 60 hours out of range	30% to 85% R.H.			
Storage R.H.			<75%	<75%	
Battery Type	AAA	AA	AA	AA	AA
Number Of Batteries	2	2	1	2	2
Battery Life	100+ Hours	100+ Hours	125 Hours	230 hours	200 Hours
Dimensions	6.84" x 1.93" x 1.53"	6.70" x 1.56" x 1.41"	5.75" x 1.063" x .5"	4.75" x 2.375" x 1.5"	5.625" x 2.375" x 1.5"



## Refrigerant List

Refrigerants are updated via the app

R11	R142B	R402B	R409B	R420A	R430A	R452A	R508A
R113	R143A	R403A	R410A	R421A	R431A	R452B	R508B (Suva95)
R114	R152A	R403B	R410B	R421B	R432A	R453A	R509A
R115	R22	R404A	R411A	R422A	R433A	R454A	R510A
R116	R227EA	R405A	R411B	R422B (NU22B)	R434A (RS-45)	R454B	R512A
R12	R23	R406A	R412A	R422C (One shot)	R435A	R454C	R513A
R123	R236FA	R407A	R413A	R422D	R436A	R455A	R600 (Butane)
R133ZD	R245FA	R407B	R414A	R423A	R436B	R458A	R600A (Isobutane)
R1234YF	R290	R407C	R414B (Hotshot)	R424A	R438A (MU99)	R500	R601 (Pentane)
R1324ZE	R32	R407E	R416A	R425A	R444A	R501	R601A (Isobutane)
R124	R401A	R407F	R417A	R426A	R444B	R502	
R125	R401B	R407H	R417C (Hotshot 2)	R427A	R448A	R503	
R13	R401C	R408A	R418A	R428A	R449A	R504	
R134A	R402A	R409A	R419A	R429A	R450A	R507A	

## Downloads



**UEi HUB App**



**Manual**



**Data Sheet**



WHP1 WPC2, and WOT2 made in China  
WPP1, and WVG2 made in Taiwan  
Designed in USA