



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

Wireless Vacuum Gauge Probe

Target Superheat Calculation

Pressure Probes w/ 180° Articulation

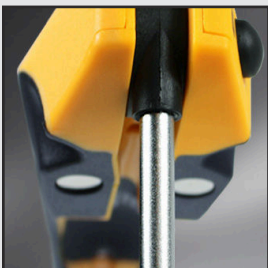
Refrigerant Pass Through Port

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 ± 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

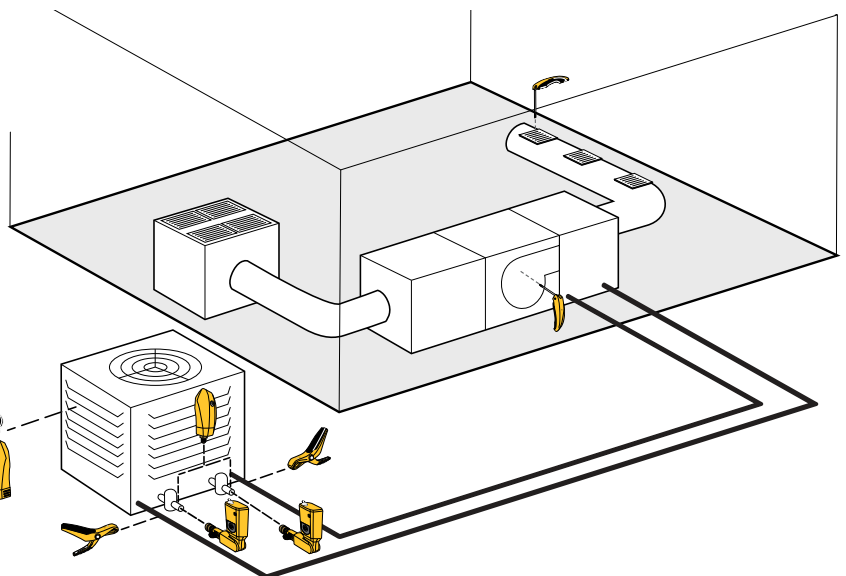
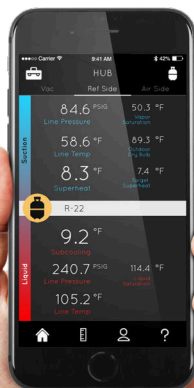
- Sensor is thermally isolated from ambient temperatures
- High accuracy thermistor provides better results than thermocouples and doesn't require field calibration.
- Slim design fits into tight spaces
- Range 32° to 176°F (0° to 80°C), resolution 0.1°F.
- Response time < 30 sec. Accuracy $\pm 0.6^\circ\text{F}$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

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

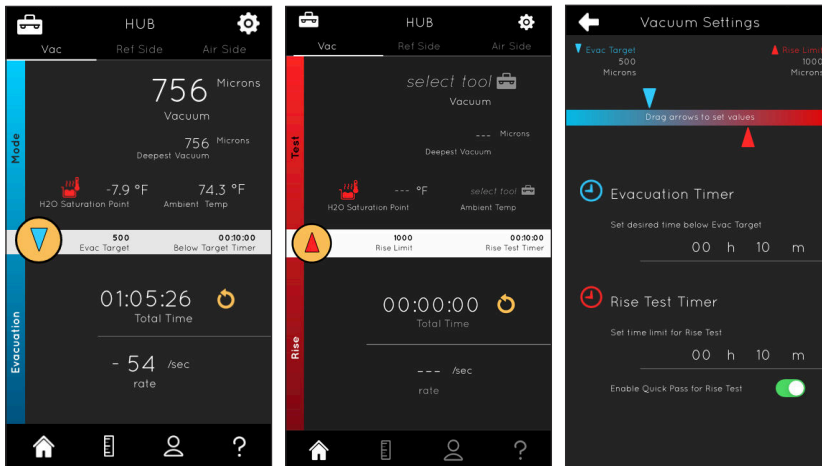


Measurement & Calculations

- 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

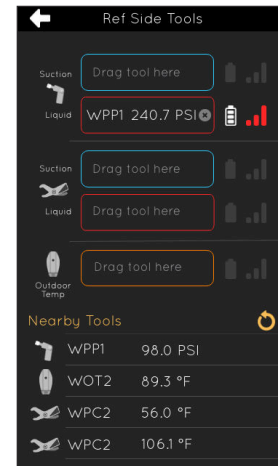
Vacuum Screen

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



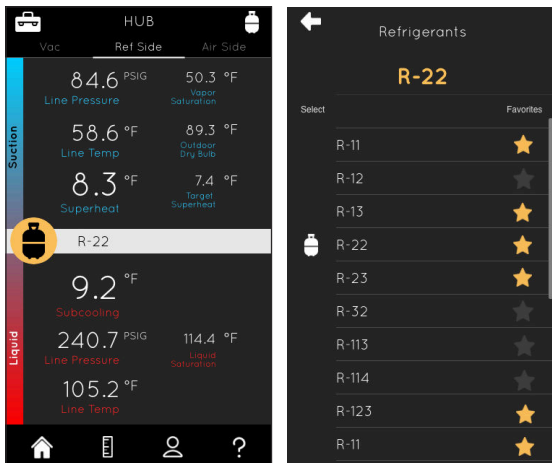
Quick Connections

Easily assign where probes are used on system.



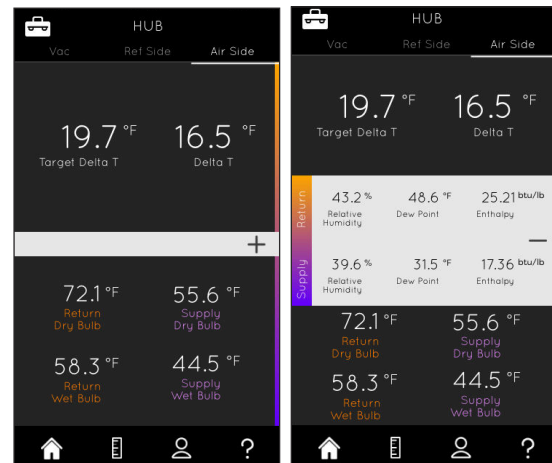
Refrigeration Screen

View Refrigerant values and *real-time target superheat*. Select from list of 108 refrigerants and save most used types.



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	W0T2	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 18°0F (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	R1234YF	R406A	R417A	R424A	R500	R601A (Isobutane)
R12	R124	R407A	R417C (Hotshot 2)	R427A	R502	R1233ZD
R13	R125	R407C	R420A	R434A (RS-45)	R503	R1234ZE
R22	R134A	R407F	R421A	R438 (M099)	R507A	
R23	R401A (MP39)	R408A	R421B	RA438A (MU99)	R508B (Suva95)	
R32	R401B	R409A	R422A	R448A	R513A	
R113	R402A	R410A	R422B (NU22B)	R449A	R600 (Butane)	
R114	R402B	R414B (Hotshot)	R422C (One shot)	R453A	R600A (Isobutane)	
R123	R404A	R416A	R422D	R458A	R601 (Pentane)	

