

### **PRODUCT GUIDE 2025** SPRING

HVAC



Second-Generation Family Operated Business

S E R V I C E + GUARANTEED! Our Award-Winning Promise To Never Let You Down!



16

UK & Korea ISO9001 Certified Factories Indianapolis ISO 17025 Certified Service Center

# KANE460 The GAME CHANGER

### KANE460 Your Analyzer, Your Way!

*Expand your KANE460's capabilities* with these optional probes for *Full HVAC/R Analysis with the KANE460!* 



AC/Refrigeration **HUB8** See page 16



IAQ Ventilation DTHA2 See page 14



CO Monitoring COL See page 13



# Heating • Cooling • Air Flow ALL IN ONE - HVAC/R ANALYZER

### KANE460

UPC: 053533509595 *HVAC/R Analyzer* 

- Test Residential, Commercial, Light Industrial Gas, Oil, and Biomass Combustion Equipment
- Heat Exchanger Integrity Tests
- Appliance Sweep Test for CO Leaks

Plus access full HVAC/R Analysis with optional wireless probes

- Commission and test Heat Pumps, A/C and Refrigeration systems
- Measure building IAQ and Ventilation
- Monitor and Log Ambient CO

#### **Includes** (Base configuration)

- Flue Probe (CP2)
- Rechargeable Batteries
- Charger
- Pressure Hose
- Handset pouch
- UEi Tool Backpack
- Manual

#### Features

- Eligible for UEi Service+
- Up to 10 year warranty
- CO Sensor: 10,000ppm (H2 Compensated)
- 02 Sensor: 0-25%
- · Pressure sensor Flue draft, system, and tightness
- Temperature: flue, inlet, and differential
- KANE LINK<sup>™</sup> wireless probe communications to connect optional wireless probes (see page 2).
- Hydropholic water trap stops water vapors damage
- Log, Store, and transfer test results to **KANE LIVE™** app.
- Fast & easy operation with large color graphic display
- IR printer port allows printing hard copies to optional printer (see page 2)
- · Compact and rugged design
- 12 pre-programmed fuels
- 49 refrigerants (Including common A2Ls)

1

7 N02

10 H2S

5.42% \$02

1.349 Tf

-N/F- Ta

2

3

0

76.6

26.9

F2

ZERO TIME 118m - NATURAL GAS CO2 8. 8% CO

C02

02 N0x

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#### WWW.UEITEST.COM

2024

DEALER DESIGN AWARDS "NEWS GOLD

NEW

## **Digital Temperature Tester**



### **DT720**

UPC: 053533509434

Dual Input Temperature Tester

- 2 Inputs
- Differential T1-T2
- Accepts 6 different types of thermocouples
- 9,999 display count
- Min/Max/Avg/Hold
- 1-Year limited warranty



# **Digital Pocket Thermometers**

Part #	550B	<b>PDT550</b>	<b>PDT650</b>	<b>PDT655</b>	<b>PDT660</b>
UPC:	053533701173	053533700930	053533701289	053533508543	053533508451
				M 第一世	
Temperature Range -58° to 572°F	•	•	•	•	•
Min/Max	•	•	•	•	•
Auto power off	•	•	•	•	•
Built-in magnet	•	•	•	•	
Hold	•	•			
Ingress Protection	Water Resistant	Water Proof			
NSF listed	•	•			•
Backlight Display				•	•
Folding			•	•	•
Warranty	3-Year limited	1-Year limited	3-Year limited	1-Year limited	1-Year limited

### **Pressure Meter**

SPMKIT UPC: 053533509571

Wireless Static Pressure Kit

pressures

accessorv kit

#### DPM

UPC: 053533509564 Wireless Differential Manometer

- Wireless Differential Manometer to test static, gas & draft pressures
- Measures Pressure ±80 inWC •
- Wireless Connection to Free App
- Easy to Read Backlit Display
- Magnet for Hands Free Use
- 1-Year limited warranty





NEW

### EM720

UPC: 053533509359 Hi-Res Differential Manometer

- Measures Pressure +80 inWC
- Temperature compensation protects sensor accuracy
- HOLD MIN/MAX/AVG
- 1-Year limited warranty



### SPAK1

UPC: 053533606515 Static Pressure

#### **Accessory Kit**

- Static Pressure Probe (2) (ASP1)
- 60" Pressure Tube
- Stepped T Fitting (2) (TF100)
- Soft Carrying Case (AC319)

### **AGVA**

#### UPC: 053533607109

Gas Valve Adapter Accessory

Pressure Tubing w/ Fitting (2)





#### EM720SPKIT UPC: 053533509458

Differential Manometer Static Pressure Kit

- EM720 Manometer plus
- Stepped T Fitting (2)
- Static Pressure Probe (2)
- Pressure Tubing w/ Brass Fitting (2)
- Step connector w/ 3.15" tubing (2)
- 60" Pressure Tube
- 3 (AA) Batteries
- 1-Year limited warranty





# **Award Winning True-RMS Clamp Meters**



\*DL599 features DCµA only.

Designed by us for HVAC/R professionals

Made in our ISO 9001 factory managing costs & quality

Backed by our ISO 17025 Operations Center in Indianapolis

#### •3 Clamp Meters with all this as Standard



**Techs Are Talking** 





#### **DL579 Includes**

Test Leads (ATL55) Alligator Clips (AAC3) Temperature Probe (ATT29) Zippered Pouch Batteries 4 (AAA) Certificate of Conformity

#### DL589 & DL599 Includes

Silicone Test Leads (ATL58) Back Probes (APB3) Alligator Clips (AAC3) Temperature Probes 2 (ATT29) Zippered Pouch Batteries 4 (AAA) Certificate of Conformity

# Clamp Meter Combos, Multimeter & Insulation Resistance Testers





Now Includes Capacitance & Microamps!

DL569 053533509281 400A Dual Display Clamp Meter

- 1000V AC/750V DC
- Resistance  $40k\Omega$
- Millivolt DC
- Dual Display
- 1-Year limited warranty



DL589COMBO 053533509335 True-RMS Clamp Meter w/ 2 ATTPC4 Pipe Clamps

• 2-Year limited warranty



DL579COMBO *True-RMS Clamp Meter w/ATTPC4 Pipe Clamp* • 1-Year limited warranty



DM525 053533508192 True RMS 1000V Wireless Multimeter w/ Power Factor

- Measure energy efficiency
- Wireless to Free App
- Low Z (Impedance)
- 2-Year limited warranty

Part #	UPC	Description
DM515	053533508185	True RMS 1000V Multimeter w/Temperature
DM505	053533508178	1000V Digital Multimeter
IRT807	053533508147	1000V AC/DC Advanced Insulation Resistance Tester
IRT803	053533508130	600V AC/DC Digital Insulation Resistance Tester

# Installation & Maintenance Kits



**510KIT** UPC: 053533509380 *Condensing Unit Install Kit* True RMS Clamp Meter (DL579) Refrigerant Leak Detector (RLD15B) Wireless Refrigeration Analyzer (HUB8) UEi Tool Backpack



**520KIT** UPC: 053533509403 *Furnace Install Kit* True RMS Clamp Meter (DL579) Combustible Leak Detector (CD100A) Hi-Res Differential Manometer Static Pressure Kit (EM720SPKIT) Differential Thermometer (PDT655) UEi Tool Backback



**511KIT** UPC: 053533509397 *Heat Pump Install Kit* Static Pressure Kit (EM720SPKIT) True RMS Clamp Meter (DL579) Refrigerant Leak Detector (RLD15B) Wireless Refrigeration Analyzer (HUB8) UEi Tool Backpack



**521KIT** UPC: 053533509410 *Gas Furnace Install Kit* Carbon Monoxide Detector (COA2) True RMS Clamp Meter (DL579) Combustible Leak Detector (CD100A) Hi-Res Differential Manometer Static

Pressure Kit (EM720SPKIT) Differential Thermometer (PDT655) UEi Tool Backpack



TACK15 UPC: 053533509465 *Test and Check Kit* True RMS Clamp Meter (DL579) Combustible Gas Leak Detector (CD100A) Differential Manometer (EM152) Pocket Thermometer (PDT550) Soft Carrying Case (AC73)



**522KIT** UPC: 053533509427 *Oil Furnace & Boiler Install Kit* Combustion Analyzer (C1610IL) True RMS Clamp Meter (D1579) Combustible Leak Detector (CD100A) Hi-Res Differential Manometer Static

Pressure Kit (EM720SPKIT) Differential Thermometer (PDT655) UEi Tool Backpack



AC550 UPC: 053533509410 Tool Backpack Built rugged, waterproof base, two compartments with inner pocket options. Includes D-clip.

# Don't See The Kit That Works For You?

Ask About Our Custom Kits.

# Residential / Commercial Combustion Analyzers

- BACKED BY -









### These C160 series Residential/Commercial Combustion Analyzer includes as Standard: o



Eligible for UEi Service+
 Up to 10 year warranty
 6-Line Backlit Display
 Measures CO
 Measures CO2
 Calculates O2





 Image: Flue/Inlet Temperature

 Image: Flue/Inlet Temperature</



- ✓ IR Printer Port
  ✓ Protective Boot w/ Magnet
  ✓ Easy Access Water Trap
- 🗹 8 Pre-Programmed Fuels
- DMM Style Selector Dial
- 🗹 USB Charging

See back cover for Warranty details!

## Join us in reducing the risk of CO poisoning

Keep furnaces and boilers running efficient and check for proper venting and cracked heat exchanger with a C160 series Combustion Analyzer backed by award-winning **UEI SERVICE+ GUARANTEED**!

### Introducing



Any purchase of C165+ Combustion Analyzer (or C165+ kit variation) includes our new **UEi Concierge+** service. Register your analyzer at ueitest.com to receive details on how to book a 15-minute call with a certified technician about your new analyzer. From general setup, using any of the testing functions, or how to utilize the benefits of **UEi Service+ Guaranteed!** It your time with the technician.

C161	C163	C165+
All Standard	All C161 Features	All C163 Features
Features PLUS ~	PLUS 🗸	PLUS ~
<b>UPGRADED</b> Purge Pump Protection for CO Sensor	Differential Pressure	
Differential Temperature	Wireless to Printer App	LINK Wireless Probe Connection
Heat Exchanger Test		H2 Compensated, 10,000 ppm CO Sensor
		2 Wireless Pipe Clamp Probes
Your A	Analyzer, You	r Way!
<b>C161</b> 053533508338 Analyzer only	<b>C163</b> 053533508352 Analyzer, Hard Case	<b>C165+</b> 053533509151 Analyzer, Hard Case
<b>C161C</b> 53533509250 Analyzer, Hard Case	<b>C163KIT</b> 053533509243 Analyzer, Printer, Hard Case	<b>C165+KIT</b> 053533509168 Analyzer, Printer, Hard Case
<b>C161KIT</b> 053533509236 Analyzer, Printer, Hard Case		<b>C165+OIL</b> 053533509182 Analyzer, Smoke Pump Tester, Hard Case
<b>C1610IL</b> 053533509373 Analyzer, Smoke Pump Tester, Hard Case	-	<b>C165+OILKIT</b> 053533509212 Analyzer, Smoke Pump Tester, Printer, Hard Case
<b>C1610ILKIT</b> 053533509366 Analyzer, Smoke Pump Tester, Printer, Hard Case		C165+N 053533509175 Analyzer w/ Nitric Oxide Sensor, Hard Case
	-	C165+NKIT 053533509205 Analyzer w/ Nitric Oxide Sensor, Printer, Hard Case

# **Combustion Testers**

For specific equipment testing in place of full combustion analysis









#### CEA 053533509786

**Combustion Efficiency Tester** 

- Save fuel, reduce pollution & increase efficiency
- Measure: Flue stack temperature, and CO2 in real time
- Calculate: 02, Combustion Efficiency, and Excess Air







#### HET 053533509793 *Heat Exchanger Tester*

- Heat Exchanger Integrity Test
- Furnace Safety Test
- Measure: CO & CO2
- Calculate: 02 & Excess air

Part #	UPC	Description
IRP-2	053533606911	Easy Load Fast IR Printer
CP2	053533508918	Flue Gas Probe for C160 Series Combustion Analyzers
SPT1	053533605198	Smoke Pump Test Kit
AC509	053533605723	Hard Carrying Case C160 Series Combustion Analyzers

# **Carbon Monoxide Solutions**

NEW

### **COA** 053533509540

#### **CO** Analyzer

- Test boilers, cookers, grills, and ovens for CO
- Perform 2-minute appliance sweep test
- Use **KANE LINK™** to connect up to 4 COL CO Loggers to combine ambient air tests
- Save & send results to KANE LIVE<sup>™</sup> app or optional printer





#### COL 053533509557 CO Logger and Room CO Monitor

- Monitor CO in ambient air
- Combine ambient & appliance tests with KANE LINK<sup>™</sup> enabled analyzer
- Log CO every minute for up to 2 weeks
- See results on **KANE LIVE™** app





#### COA2 053533508475 Carbon Monoxide Detector w/ Wireless Capabilities

- CO Detection: 1 to 999 ppm
- Resolution: 1 ppm
- iOS<sup>®</sup> and Android<sup>™</sup> compatible
- Use alone or connect to a device
- Visual LED and Audible alert
- 1-Year limited warranty







#### CD100A 053533503708 Combustible Gas Leak Detector

NEW

- Minimum: 50 ppm methane
- Long 18 inch gooseneck
- Tip-light in sensor cap
- Audible and visual tic rate
- 1-Year limited warranty



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BACKED BY

SERVICET

# Air Flow, Temperature, & Humidity



#### DAFM3B 053533507188 Digital Anemometer w/ Humidity Tester

 Measures: air velocity, temperature and humidity

- Calculates: wet bulb, dew point, and air volume (CFM/CMM)
- Up to 1 hour accumulative average
- 1-Year limited warranty

DAFM4 053533506877 Digital In-Duct Mini Vane Anemometer • Measures: air velocity • Calculates: air volume, dew po

- Calculates: air volume, dew point, wet bulb
- In-duct or grill surface measurement
- 1-Year limited warranty



DTHA2 053533508420 Wireless Airflow/ Humidity/ Temperature Meter

- Free App
- iOS® and Android<sup>™</sup> compatible
- Airflow 217 to 3937 ft/sec
- Connects to KANE LINK<sup>™</sup> enabled analyzers
- 1-Year limited warranty



#### DTH35 053533506938 Digital Pocket Psychrometer w/ Temperature/ Relative Humidity/ Enthalpy

- Wet Bulb/Dew Point
- Backlit display
- Min/Max
- 1-Year limited warranty

# **Infrared Thermometers**



INF165C 053533507416

12:1 Infrared Thermometer

- Circular laser defines target
- Max value capture
- 2 Emissivity levels, selectable: (0.70, 0.95)
- 1-Year limited warranty



#### INF195C 053533507423 12:1 Infrared Thermometer w/ K-Type Input

- Circular laser defines target
- Differential temperature
- Min/Max/Avg/Diff
- 1-Year limited warranty



### 8-Point Circular Laser Advantage



The circular laser directly outlines the measured spot at all distances eliminating potential errors from guessing the size of the measured spot.

# A2L, What You Need To Know

Specific tools that can be certified to service A2L equipment are recovery machines, vacuum pumps, and leak detectors.



The UEi **RLD15B** Refrigerant Leak Detector is **"A2L Certified"** to the SAE 2913 standard, which includes "Component Ignition Testing".

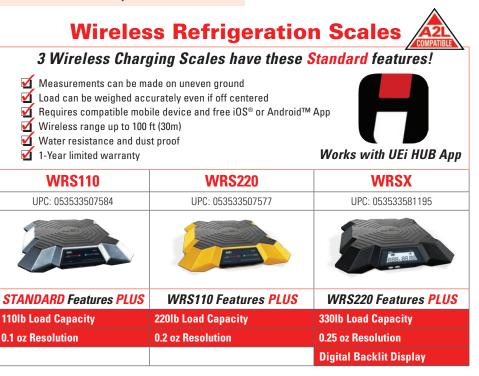


UEi's other Refrigeration products outside that product category are designed to work with equipment using A2L refrigerants and categorized as **"A2L Compatible**".



RLD15B UPC: 053533507430 Refrigerant Leak Detector w/ Solid Electrolyte Sensor

- A2L certified (SAE J2913)
- 3 Sensitivity levels
- Digital numeric leak size indicator
- 2-Year limited warranty



Part #	UPC	Description
DM150	053533507720	Vacuum Micron Gauge
HA1	053533500752	Hermetic Compressor Analyzer
CLM100	053533503289	Cable Length Meter

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



HUB8 053533508598 Smart Refrigeration Probes Deluxe Kit w/ Vacuum Gauge



#### HUB6 053533508246 Smart Refrigerant Complete Kit

- In App temperature split and
- psychrometric calculations In App system refrigerant charging
- calculations
- Pass thru refrigerant ports for easily adding or recovering refrigerant from the system
- 180 degree rotation for easy use in cramped spaces
- 1-Year limited warranty

WVG2 053533508604 Wireless Vacuum Gauge Probe

- Vacuum Range: 2000 microns
- 700 PSI (36200446.8716772 microns) Maximum Over Range
- Temperature Range:10 to 122 °F
- Easy to use vacuum gauge probeCan work with independently or
  - with other HUB probes
- 1-Year limited warranty



#### HUB4 053533508239 Smart Refrigerant Charging Kit

- In App system refrigerant charging calculations
- Pass through refrigerant ports for easily adding or recovering refrigerant from the system
- 180 degrees rotation for easy use in cramped spaces
- Pressure range: 0 to 725 psig
- 1-Year limited warranty



WOT2 053533508611 Wireless Outside Temperature Probe

- Temperature Range: 32° to 180°F
- Works in two positions
- Real time target superheat calculation (With WHP1)
- Calculate Real Time Target Superheat (requires WHP1 & HUB App)
- 1-Year limited warranty

Part #	UPC	Description
AORK1	053533508390	WPP1 O-Ring Replacement Kit for HUB probes

# "UEi HUB" One App for HUB Probes

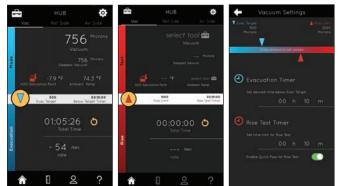


#### **Measurement & Calculations**

- 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
- H20 saturation point indication
- Selectable units of measure
- High altitude compensation
- 118 refrigerants list and favorites 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

Easily assign where probes are used on system.



#### **Refrigeration Screen**

View Refrigerant values and *real-time target superheat*. Select from list of 57 refrigerants and save most used types. **NOW Adds UEI Scale Measurements!** 

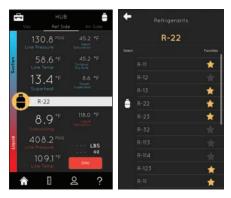


Air Side screen displays return & supply measurements allowing users to view additional calculations.



Requires compatible mobile device Android™ 5+, iOS<sup>®</sup> 10+ or iPadOS™ 10+

HUB is compatible with measureQuick® (except WVG2 wireless vacuum gauge)





### **Accessories**

#### **TEST LEADS**

Part #	UPC	Description
AAC	053533600759	Alligator Clips, Slip-On
AAC3	053533603866	Alligator Clips, Screw-On
ATLTX	053533606478	ModularTest Lead Extension Wire*
ATL1	053533606416	Modular LeadTips- Standard*
ATL2	053533606423	Modular LeadTips- Alligator*
ATL3	053533606430	Modular LeadTips- GrabberTip*
ATL5	053533606454	Modular LeadTips- Back Probe*
ATL6	053533606461	Modular LeadTips- Piercing*
ATL55	053533602043	Test Leads (Standard)
ATL57	053533606621	Silicone Test Leads
ATL301KIT	053533605716	Test Lead Kit
ATLBPK	053533606492	Back ProbeTest Lead Kit
ABP3	053533606973	Back Probe Test Leads for DL589 & DL599
ATL58	053533606966	Silicone test leads for DL589 & DL599
ATL92	053533607031	Insulation Test Probe & Alligator Clip
ATLCAP	053533507553	Test Lead Shield Caps

#### **CLIPS & ADAPTERS**

ACF1	053533600766	Female Adapter Cord (HA1)
ACS1	053533600780	Velcro Pipe Straps
ASP1	053533606133	Magnetic Static Pressure Probe
ATHA1	053533600964	Gas Valve Thermocouple Adapter
TF100	053533606775	Stepped "T" Fitting
AACA4	053533605303	AC 9V 700mA Adapter for C100A/ C50/ C75/ CO91
AACA5	053533607000	USB Charger For C160 Series Analyzers
AJW1	053533606850	Jump wires (10 pack)
AMH1	053533606843	Magnetic Hanger Strap (DM505, DM151, and DM525)
AMH2	053533606980	Magnetic Hanger Strap for DL569 and DL579 only
AMH3	053533606997	Replacement Magnetic Hanger Strap (DL589 & DL599 )

#### PRESSURE

AORK1	053533508390	WPP1 O Ring Kit
AVGA	053533607109	Gas Valve Adapter with Tubing
BF100	053533603811	Gas Valve Pressure Adapter (EM201B)
BF102	053533602166	Gas Valve Pressure Adapter (EM152)
SPAK1	053533606515	Static Pressure Accessory Kit

#### **TEMPERATURE PROBES**

Part #	UPC	Description
ATT19	053533603699	J-Type oven clip probe
ATT26	053533601237	J-Type liquid probe
ATT27	053533601244	J-Type bead probe
ATT29	053533601268	K-Type fiberglass coated probe
ATT29A	053533602227	K-Type fluoroplastic coated probe
ATT29APACK	053533606393	K-Type fluoroplastic coated probe (10 pack)
ATT30	053533601299	J-Type 8" Liquid probe
ATT36	053533601329	K-Type Surface Temperature Probe
ATT39	053533605969	K-Type probe w/ wire wrap handle (DT302 & DT304)
ATT70	053533603347	K-Type to input jack adapter
ATT71	053533602159	K-Type to input jack temperature probe
ATT100	053533602357	K-Type 6" liquid probe
ATTEXT	053533606126	K-Type 10' extension
ATTPC3	053533606942	K-Type pipe clamp adapter
ATTPC4	053533508406	K-Type pipe clamp adapter

#### LEAK

RLD15SENS	053533606119	Replacement Sensor (RLD15)
RLDLS	053533606096	LeakTest Vial (RLD15)
RLDSENS	053533603729	Replacement Sensor (RLD10)
RS1000	053533603354	Replacement Sensor (CD100A/CD200)
RS1010	053533603378	Sensor Cap (CD100A/CD200)
RLDTF	053533606102	Tip Filter (5 Pack) (RLD15)

#### **CARRYING CASES**

AC12	053533606522	Test lead kit pouch
AC319	053533603958	Soft carrying case (10"x 6"x 2.75")
AC504	053533602814	Hard carrying case (10"x 13.75"x 3.5")
AC509	053533605723	C series red carrying case (19"x 14"x 4.75")
AC519	053533603965	Soft carrying case (13"x 6"x 2.75")
AC73	053533605273	Soft carrying case (12"x 15"x 3.5")
AC419	053533508765	Wireless Refrigerant Scale Carrying Case
AC550	053533607024	UEiTool Backpack
AC619	053533606881	HUB8 Carrying Case w/ Foam Inserts



## An Award-Winning Promise To Never Let You Down









**10 Year Warranty:** All UEi combustion analyzers have a standard 1-year warranty. Each recertification extends the warranty for 1 more year for up to *10 years* from the date of purchase.

Contractors who book recertification of a C160 series analyzer at www.ueitest.com/service within 12 months from either the date of purchase or the date of the last recertification will receive reduced service pricing<sup>1</sup> that lowers the cost of ownership and 2 additional benefits:

**Same Day Service:** All qualifying analyzers received for recertification through UEi Service+ are returned on the same business day, **GUARANTEED**.<sup>2</sup>

**Free Shipping:** UEi Service+ offers free shipping both to and from our service center. When customers book their recertification, they receive a prepaid UPS Ground shipping label.

See complete details at ueitest.com/service



**UEI SERVICE+ GUARANTEE!** won GOLD in the 2024 Dealer Design Awards "Service & Software" category.

The Dealer Design Awards recognize product design that assists contractors with the installation, maintenance, and service of HVACR Products and is the only industry award judged exclusively by HVACR contractors.

Available to US customers only.

<sup>1</sup>Pricing subject to change without notice. <sup>2</sup>We'll need 48 hours for analyzers with a NO (Nitric Oxide) sensor installed. ©2025 Kane USA Inc. All Rights Reserved. UPS logo Copyright ©2025 United Parcel Service of America, Inc. used with permission. KANE and the KANE logo (registered in the UK and elsewhere) are trademarks of Kane Group Limited, used under license. IOS® and Android™ are property of their respective owners.