



Commercial Combustion Analyzer Now Refrigeration Ready!



BACKED BY
UEI
SERVICE+



FREE
SHIPPING
ON ANNUAL SERVICE

NEW ALL SEASON ANALYZER

- ✓ Advanced Commercial Combustion Analyzer
- ✓ Refrigeration Analyzer

NEW REFRIGERATION SCREENS

- ✓ Refrigeration: Superheat/Subcooling
- ✓ Air: High & Low side
- ✓ Vacuum: Evac & Rise Tests

Connect optional HUB wireless refrigeration probes to view refrigeration parameters directly on ACA/R analyzer!

BEST OF BOTH WORLDS

- ✓ View Heating/Cooling Tests
- In Analyzer or in UEI HUB app*

Backed by An Award-Winning Promise To Never Let You Down

Contractors who book ACA/R recertification at www.ueitest.com/service within 12 months from either the date of purchase or the date of the last recertification will receive a warranty extended for 1 year plus:

Same Day Recertification return ships same day received, **Guaranteed.***

Reduced Pricing over standard rates, transparent, up front, no surprises.

Free Shipping UPS Ground shipping both to and from our service center.

Warranted for life of analyzer means 1 year warranty extension with each recertification until we reasonably believe we cannot restore analyzer to original factory specifications - our decision is final.

*Analyzers with NO (Nitric Oxide) sensor installed, requires a 48-hour turnaround.

Combustion screens

07/02/26	15:18
NAT GAS	
CO2	9.0 %
O2	5.00 %
Efgc	88 %
T1	154 °F
T2	62 °F
P	3.150 I
Ø PRS	Ø CO2

07/02/26	15:18
NAT GAS	
CO	19 ppm
COa	21 ppm
CO2	9.0 %
O2	5.00 %
XAIR	31.4 %
LOSS	13.4 %
Ø PRS	Ø CO2

Refrigeration screens

05/04/26	05/04/26
R410a	
HP	408.2 I
CT	118.0 °F
T2	109.1 °F
SC	8.9 °F
Ø PRS	Ø CO2

05/04/26	05/04/26
R410a	
LP	130.8 I
EV	45.2 °F
T1	58.6 °F
SH	13.4 °F
TSH	8.6 °F
Ø PRS	Ø CO2



ACA/R Features

- **Warranted For Analyzer's Life with annual recertification**
- **View Refrigeration screens with optional wireless probes**
- **View Combustion & Refrigeration on analyzer or app**
- **Wireless to free app UEi HUB**
- **UEi LOCK** Theft Protection optional setup using in **UEi HUB** app
- **UEi Concierge+** 15-min support call with UEi tech, available at product registration
- **CO sensor, 10,000ppm H₂ Compensated & NO_x filtered**
- CO₂ sensor (flue or ambient)
- Ambient CO₂ readings to test building IAQ
- O₂ sensor
- Differential Pressure and draft
- Flue and Inlet Temperature, differential temperature
- Combustion Efficiency and Excess Air
- Heat Exchanger test
- Room CO test
- CO over-range pump protection from high CO levels
- High-contrast graphic display Optional NO (Nitric Oxide) sensor upgradable
- Protective Boot with built-in magnetic mount
- Low Flow Detection to protect reading accuracy
- Flue probe with integrated gas, temperature, and draft hose connections
- Protective water trap
- Calibration countdown reminders
- Optional thermal printer for on-site hard copy printouts

Specifications

Parameter	Range	Resolution	Accuracy
Carbon Monoxide*	0 to 2000ppm	1ppm	±3ppm or ±5% of rdg
	2000 to 9999ppm		±10% of rdg
	Above 9999ppm		Unspecified
Oxygen*	0 to 21%	0.1%	+0.3% Volume
Carbon Dioxide*	0 to 20%	0.1%	0.3% rdg
Efficiency (Net or Gross)	0 to 99.9%	0.1%	+1.0% rdg
Efficiency High (C)	0 to 119.9%	0.1%	+1.0% rdg
Excess Air	0 to 250%	0.1%	+0.2% rdg
CO/CO ₂ ratio	0 to 0.999%	0.0001	+5% rdg
Flue temperature	32° to 1112°F	0.1°F	±(0.3% rdg +3.6°F (2°C))
Inlet temperature (internal sensor)	32° to 112°F	0.1°F	+1.8°C +0.3% rdg
Inlet temperature (external sensor)	32° to 1112°F	0.1°F	+3.6°F +0.3% rdg
Pressure (Differential)	±80mbar	0.1mbar	±0.5% FSD
PRE-PROGRAMMED FUELS	NAT GAS, H OIL, PELLETS, OIL, LPG, BUTANE, PROPANE		
USER PROGRAMMED FUELS	5 User defined fuels		
STORAGE CAPACITY	45 Combustion Tests, 120 Refrigeration Tests		

* Using dry gases at STP



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ACA/R Includes & Kit Options

	ACA/R	ACA/RKIT	ACA/RN	ACA/RN/KIT
ACA/R Analyzer	✓	✓	✓	✓
Flue Probe (CP30)	✓	✓	✓	✓
Rechargeable Batteries, 3 (AA)	✓	✓	✓	✓
USB Charging Cable (AACA5)	✓	✓	✓	✓
K-Type Thermocouples, 2 (ATT29)	✓	✓	✓	✓
Hard Carrying Case (AC509)	✓	✓	✓	✓
Particle Filter (spare) (17631)	✓	✓	✓	✓
Quick Start Guide	✓	✓	✓	✓
Certificate of Calibration	✓	✓	✓	✓
IR Thermal Printer (IRP-2)		✓		✓
Thermal Paper Roll (spare (16646)		✓		✓
Nitric Oxide sensor			✓	✓

Optional Wireless Probes Compatible with ACA/R



HUB8 Wireless Refrigeration Probes



DTHA2 Air Flow Probe



COL CO Logger

Downloads



Manual



Data Sheet



UEi Analyzers are **Calibrated Fresh** before shipping



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