

The UEi combustion meter line combines ease of use, range of function and the lowest cost of ownership of any combustion testers on the market today.



SMART BELL PLUS Combustion Test Meter

- *Replace Wet Chemical Kit*
- *Perform CO Safety Checks*
- *Measures CO, CO2 & Flue Temp.*
- *Calculates O2, Losses & Efficiency*



Don't be a DUMBELL
*Replace your CO2 Indicator with a
UEi Long Life Combustion Check Meter*



**Also included in this
Data Sheet**

**SMART BELL,
C20, C20KIT**



Functions

Features

Includes

Specifications

SMART BELL PLUS

- Measures:
- CO
 - CO₂
 - Temperature
- Calculates:
- O₂
 - Excess Air
 - Efficiency



- Real Time Analysis
- EOS Technology Sensor
 - Direct CO₂ Measurements
 - No Sensor Replacement
 - 10 Year Life Expectancy
- Direct CO Measurements
- Pre-Programmed Fuels:
 - Light Oil, Propane,
 - Natural gas, Heavy Oil,
 - and Wood
- 5 Year Limited Warranty



SMART BELL

- Measures:
- CO₂
 - Temperature
- Calculates:
- O₂
 - Excess Air
 - Efficiency
 - Net T



- Real Time Analysis
- EOS Technology Sensor
 - Direct CO₂ Measurements
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Flue Probe KMCP70
 Protective Boot w/ Magnet SBOOT
 Soft Carrying Case AC73

Flue Probe KMCP70
 Protective Boot w/ Magnet SBOOT
 Soft Carrying Case AC73

Parameter	Range	Resolution	Accuracy
Temperature			
Flue Temperature	32-1112°F (0-600°C)	1.0°F	±(2%RDG ±3.6°F(2°C))
Net Temperature ²	32-1112°F (0-600°C)	1.0°F	±(2%RDG ±3.6°F(2°C))
Gas Measurement			
Carbon Monoxide (CO) ^{1*}	1-1999ppm	1ppm	±5ppm <100ppm ±5%RDG >100ppm
Carbon Dioxide (CO ₂) ¹	0-30%	0.1%	±0.2%RDG
Oxygen ²	0-21.0%	0.1%	±0.3%
Efficiency ²	0-99.9%	0.1%	±0.1%RDG
Excess Air ³	0-250%	0.1%	±0.2%
Dimensions (approx.)			
	Weight	Handset	Probe
	1Lb	7"x2"x3 1/4"	4" stainless steel shaft nominal 36" neoprene hose
Ambient Operating range	32-104°F, 10-90%RH non-condensing, 850-1100mmHg atmospheric pressure		
Battery, Battery Life	(4) AA, >8hours expected using alkaline AA cells		

*Smart Bell PLUS ONLY

¹ Using Dry Gases at STP, ² Calculated, ³ Calculated assuming fuel lean combustion

Replacement Parts

(Smart Bell, Smart Bell PLUS, C20)

ATT29*	K-type Thermocouple
SBWT	Water Trap
SBWTP	Water Trap Plug
SM11103	Inlet tube/Probe connector
17631	Particle filter
SM11103PACK	Inlet tube/Probe connector 10 pack
17631PACK	Particle filter 10 pack
SBOOT	Rubber Boot w/ Magnet
KMCP70*	Flue Probe (SB, SB+ ONLY)
KMCP72	Flue Probe for C20

*Smart Bell, Smart Bell PLUS ONLY



C20

Measures:

- CO
- CO2



- Real Time Analysis
- EOS Technology Sensor
- Direct CO2 Measurements
- No Sensor Replacement
- 10 Year Life Expectancy
- Direct CO Measurements
- 5 Year Limited Warranty



C20KIT

Measures: (C20)

- CO
- CO2

Measures: (EM151)

- Pressure up to ± 20 wg

C20

- Real Time Analysis
- EOS Technology Sensor
- Direct CO2 Measurements
- No Sensor Replacement
- 10 Year Life Expectancy
- Direct CO Measurements
- 5 Year Limited Warranty

EM151

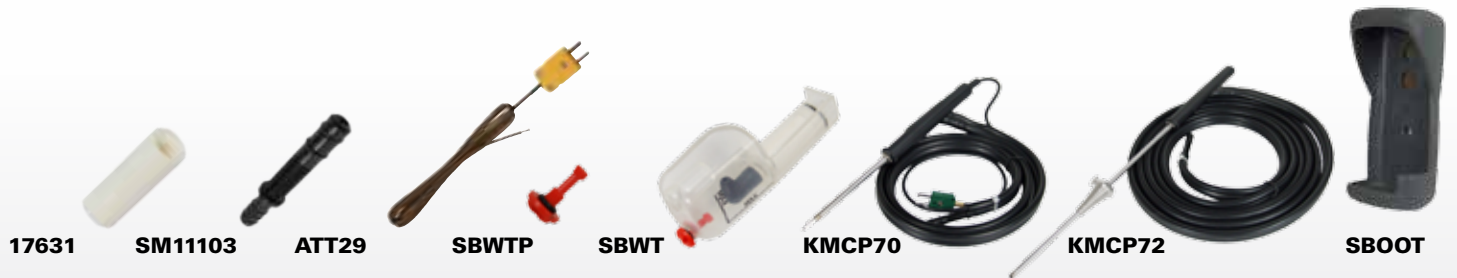
- Triple Scale: inWG, mBar, and PSI
- Ruggedized, including rubber boot with integral magnet
- Simple two-button operation
- Auto power-off
- 3 Year limited warranty

C20 Flue Probe KMCP72
 Protective Boot w/ Magnet SBOOT
 Soft Carrying Case AC73

EM151 • Pressure Tubing
 • BF100- Brass Fitting Valve adapter

Parameter	Range	Resolution	Accuracy	EM151 (C20KIT)
Gas Measurement				Measurement range: -20" to +20" WG
Carbon Monoxide (CO)¹	1-1999ppm	1ppm	± 5 ppm <100ppm $\pm 5\%$ RDG >100ppm	Accuracy: $\pm 1.0\%$ FS
Carbon Dioxide (CO2)¹	0-30%	0.1%	$\pm 0.2\%$ RDG	Resolution: 0.01" -9.99" to +9.99" WG 0.1" < -10", > +10" WG
Dimensions (approx.)				Operating range: 32° -104°F (0° - 40°C), 10 - 90% RH non condensing
Ambient Operating range	32-104°F, 10-90%RH non-condensing, 850-1100mmHg atmospheric pressure			Battery Life: 50 hours with alkaline battery
Battery, Battery Life	(4) AA, >8hours expected using alkaline AA cells			

¹ Using Dry Gases at STP



ACCESSORIES & RELATED PRODUCTS

Temperature Probes (SMART BELL, SMART BELL PLUS)

ATTEXT



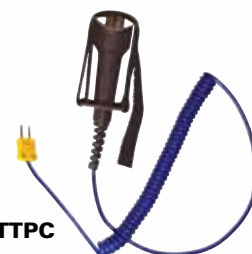
ATT29A



ATTPC2



ATTPC



ATT100



Related Products



C155KIT

Eagle2X

Xtended Life
Combustion Analyzer Kit



C155OILKIT

Eagle2X

Xtended Life
Oil Service Kit



C157KIT

Eagle3X

Xtended Life
Combustion Analyzer Kit
W/ N01



CD100A

Combustible Gas
Leak Detector (L336)



CD200

Combustible Gas
Leak Detector (L336)



EM201

Dual Input
Differential Manometer (L335)

CAN'T FIND WHAT YOU ARE LOOKING FOR?...

UEi offers a full line of HVAC/R and Combustion Testing equipment. We have grouped our products specifically to make it easy to find what you're looking for. Here are a few related products and data sheets. For a complete list visit: www.ueitest.com

Product Group	Order Lit. #
Combustion & Environmental Catalog	L330
Pressure Testers (SSM1, EM151, EM201)	L335
Combustible Leak Detectors (CD100A, CD200)	L336
Refrigerant Leak Detectors (RLD15, RLD10)	L337

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