

# BTU900-C



Built with Quality in Mind

The Latest in Combustion Analysis Technology

## Combustion & Safety Analyzer

Accurate

CxHy

Reliable

CO

Robust

O<sub>2</sub>

Fast

CO<sub>2</sub>

NEW!

5 Tools-In-One

Combustion Efficiency

Burner/Boiler Safety

Flue & Ambient Temp

Ambient CO Monitor

Built-In Manometer

Draft & Differential Pressure

PC Software w/ Auto Saving

Unbreakable Metal Connections

Ideal for Maintaining &  
Troubleshooting Residential  
Commercial Burners



Bluetooth™



Wireless Bluetooth™ Printer

Field Replaceable Sensors

Measure CxHy Hydrocarbons for Safety



E Instruments International

www.E-Inst.com

P: 215-750-1212 F: 215-750-1399 A: 402 Middletown Blvd, Ste 216 Langhorne, PA 19047

# BTU900-C Features



Built with Quality in Mind

NEW!

**Automatic Outdoor Air Temp. & High Efficiency Calculations (Condensing Systems)**

**Pre-Calibrated Field Replaceable Sensors**



**10 Fuel / Oil Types Including Bio-Heat 5%**

**Unbreakable Metal Connections**

NEW!



**Optional Wireless Bluetooth™ Printer**

**Troubleshoot Burner Defects**



**Draft/Air Supply Malfunction**



**Damaged or Clogged Burner Tip**



Parameter	Sensor	Range	Resolution	Accuracy
O <sub>2</sub>	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO H <sub>2</sub> Compensated w/ Built-In NO <sub>x</sub> Filter	Electrochemical	<b>0 - 8000 ppm</b>	1 ppm	±10 ppm <400 ppm ±5% rdg up to 2000 ppm ±10 % rdg for >2000 ppm
CO <sub>2</sub>	Calculated	0 - 99.9%	0.1%	
CxHy (HC)	Pellistor	0 - 5%	0.01%	±5% Full Scale
Tair	Pt100	-10 to 212°F	0.1°F	±1°F
Tgas	Tc K	-10 to 1830°F	0.1°F	±2°F
Differential Temp	Calculated	-10 to 1830°F	0.1°F	
Pressure/Draft	Semiconductor	±0 - 80 inH <sub>2</sub> O	0.001 inH <sub>2</sub> O	±1% (-4.014 - 0.806 inH <sub>2</sub> O) ±0.008 (-0.802 - 0.802 inH <sub>2</sub> O) ±1% (0.806 - 0.292 inH <sub>2</sub> O)
Excess Air	Calculated	0 - 850%	1%	
Efficiency	Calculated	0 - 100%	0.1%	
Warranty	2 years: Analyzer + Sensors			

## Ordering Information

Model No.	Description
900 - C	<b>CxHy Base Kit</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>CxHy Included</b> , Draft, Diff. Pressure, Flue/Air Temperature, Efficiency, Excess Air, 600 Internal Test Memory, PC Software Included + <b>New Auto Outdoor Air Temp. Saving for TRUE Efficiency Calculations</b>
900 - CP	<b>CxHy Kit w/ Printer</b> = O <sub>2</sub> , CO, CO <sub>2</sub> , <b>CxHy Included</b> , Draft, Diff. Pressure, Flue/Air Temperature, Efficiency, Excess Air, 600 Internal Test Memory, PC Software Included + <b>Wireless Bluetooth™ Printer</b> + <b>New Auto Outdoor Air Temp. Saving for TRUE Efficiency Calculations</b>

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