

# BTU1500



The Latest in Combustion Analysis Technology

Built with Quality in Mind

## Residential & Commercial COMBUSTION ANALYZER

Accurate

Reliable

Robust

Fast

CO<sub>2</sub>

CO

O<sub>2</sub>



5 Tools-In-One

Draft & Differential Pressure

Flue & Ambient Temp

Ambient CO Monitor

Built-In Manometer

Combustion Efficiency

PC Software w/ Auto Saving

Unbreakable Metal Connections

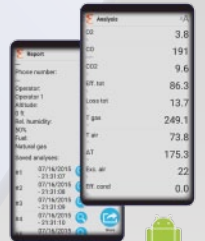
NEW!

**Automatic, TRUE High-Efficiency Calculations for ALL Condensing Systems**



NEW!

Smart App For



Phones & Tablets



Bluetooth®

**BUILT-IN Printer**

**Full COLOR Graphic Display**

**Field Replaceable Sensors**

E Instruments International

[www.E-Inst.com](http://www.E-Inst.com)

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

# BTU1500 Features



Built with Quality in Mind

**BUILT-IN PRINTER**  
(NON-Fading Paper)

**Full COLOR**  
Graphic Display

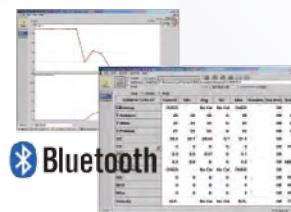
**Simple Menu**  
Interface

**Magnetic**  
Rubber Holster

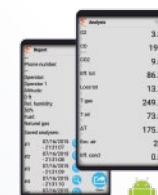
**Pre-Calibrated**  
Field Replaceable  
Sensors

**Unbreakable Metal**  
Connections

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



Smart App For



Phones & Tablets



**PC Software, Bluetooth,**  
& App Included

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 NOx Filter	Electrochemical	<b>0 - 8000 ppm</b>	1 ppm	±8 ppm <400 ppm ±5 % rdg up to 2000 ppm ±10 % rdg for >2000 ppm
CO <sub>2</sub>	Calculated	0 - 99.9%	0.1 %	
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 % rdg.
Excess Air	Calculated	0 - 850%	1 %	
Efficiency	Calculated	0 - 100%	0.1 %	
Warranty	2 years: Analyzer + Sensors			



**Large Color**  
Graphic Display

**All BTU1500 Kits**  
Include:

- New Android App
- New Auto Outdoor Air Temp.
- Built-In Printer
- Large Color Display
- O<sub>2</sub>, CO, CO<sub>2</sub>
- Combustion Efficiency, Losses, Excess Air
- CO Air Free
- Draft & Differential Pressure
- Temperature Measurements
- 2000 Test Internal Memory
- Bluetooth Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- PC Software & USB Cable
- Operating Manual
- Calibration Certificate
- Carrying Case

## Ordering Information

Model No.	Description
1500-1	BTU1500 Base Kit = Analyzer w/ O <sub>2</sub> , CO, CO <sub>2</sub> , Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 10' Dual Hose, 12" Probe, Vinyl Case, Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll, 2000 Internal Data Storage, PC Software, Bluetooth™ Connectivity, <b>Automatic Outdoor Air Temperature Saving for ALL 90%+ Systems &amp; Condensing Systems for TRUE Efficiency Calculations + Built-In Printer + New Android App Included</b>
1500-Oil	Standard 1500-1 Kit <b>PLUS: Oil Smoke Pump</b> , Smoke Filter Papers, and Comparison Chart

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