



# BTU1500

**Residential & Commercial Combustion Analyzer**  
**The Latest in Combustion Analysis Technology**

**Accurate / Reliable / Robust / Fast**

- 6 Tools-In-One
- Draft & Differential Pressure
- Flue and Ambient Temp
- Ambient CO Monitor
- Built-In Manometer
- Combustion Efficiency
- PC Software w/ Auto Saving
- Unbreakable Metal Connections



O<sub>2</sub>, CO, CO<sub>2</sub>



Field Replaceable Sensors



Built-In Printer  
Non-Fading Paper



Automatic, True High-Efficiency  
Calculations for All Condensing  
Systems



Full Color Graphic Display



iOS and Android Mobile Applications



## BTU1500 Features

- 1 Built-In Printer (Non-Fading Paper)
- 2 Simple Menu Interface with Full Color Graphic Display
- 3 Magnetic Rubber Holster
- 4 Unbreakable Metal Connections

Pre-Calibrated Field Replaceable Sensors

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

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	0 - 8000 ppm	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	-4 to 248 °F -20 to 120 °C	0.1 °F 0.1 °C	±1 °F ±1 °C
Tgas	Tc K	-4 to 2280 °F -20 to 1250 °C	0.1 °F 0.1 °C	±2 °F ±2 °C
Differential temperature	Calculated	-4 to 2280 °F -20 to 1250 °C	0.1 °F 0.1 °C	-
Pressure/Draft	Semiconductor	-4 to 80 inH <sub>2</sub> O -10 to 200 mbar	0.001 inH <sub>2</sub> O 0.01 mbar	±1 % rdg.
Excess air	Calculated	0 - 850 %	1 %	-
Efficiency	Calculated	0 - 100 %	0.1 %	-
Warranty	2 years: analyzer + sensors			

### Ordering Information

Model #	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, 12" (300mm) Probe with 10' (3m) Dual hose, Vinyl Case, Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll, 2000 Internal Data Storage, PC Software, Bluetooth™ Connectivity, Automatic Outdoor Air Temperature Saving for ALL 90%+ Systems & Condensing Systems for TRUE Efficiency Calculations + Built-In Printer + New iOS and Android App Included
1500-Oil	Standard 1500-1 Kit PLUS: Oil Smoke Pump, Smoke Filter Papers, and Comparison Chart
1500-DP	Standard 1500-1 Kit PLUS: Differential Pressure Manometer Kit (2 Hoses)

### Standard Probe Details:

- 12" (300mm) probe
- 1470 °F (800 °C) max
- 10' (3m) Dual Hose
- Longer & High Temperature Probes available

### All BTU1500 Kits Include:

- New iOS & Android App
- New Auto Outdoor Air Temp.
- Built-In Printer
- O<sub>2</sub>, CO, CO<sub>2</sub>
- Combustion Efficiency, Losses, Excess Air
- CO Air Free
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 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

