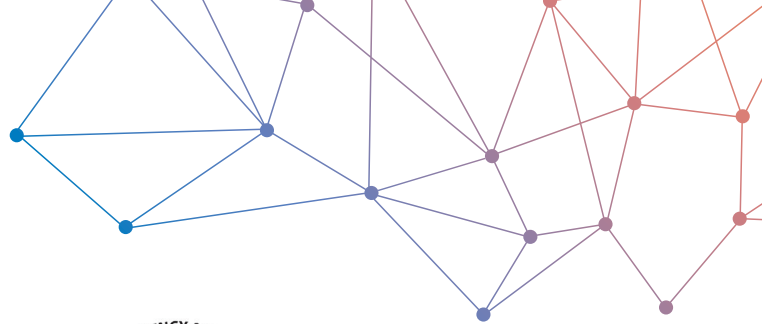




# BTU1500-NP

**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



Auto-Zero in the Flue



Automatic, True High-Efficiency  
Calculations for All Condensing  
Systems



Full Color Graphic Display



iOS and Android Mobile Applications

**E Instruments International**  
[www.e-inst.com](http://www.e-inst.com)

P: 1+215-750-1212 - F: 1+215-750-1399  
850 Town Center Drive, Langhorne, PA, USA, 19047

1.888.610.7664

 [www.calcert.com](http://www.calcert.com)

[sales@calcert.com](mailto:sales@calcert.com)



## BTU1500-NP Features

- 1 Simple Menu Interface with Full Color Graphic Display
- 2 Magnetic Rubber Holster
- 3 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<br>H <sub>2</sub> compensated w/<br>built-in NOx filter | Electrochemical             | 0 - 8000 ppm                                   | 1 ppm                                 | ±8 ppm <400 ppm<br>±5 % rdg up to 2000 ppm<br>±10 % rdg for >2000 ppm |
| CO <sub>2</sub>                                            | Calculated                  | 0 - 99.9 %                                     | 0.1 %                                 | -                                                                     |
| Tair                                                       | Pt100                       | -4 to 248 °F<br>-20 to 120 °C                  | 0.1 °F<br>0.1 °C                      | ±1 °F<br>±1 °C                                                        |
| Tgas                                                       | Tc K                        | -4 to 2280 °F<br>-20 to 1250 °C                | 0.1 °F<br>0.1 °C                      | ±2 °F<br>±2 °C                                                        |
| Differential<br>temperature                                | Calculated                  | -4 to 2280 °F<br>-20 to 1250 °C                | 0.1 °F<br>0.1 °C                      | -                                                                     |
| Pressure/Draft                                             | Semiconductor               | -4 to 80 inH <sub>2</sub> O<br>-10 to 200 mbar | 0.001 inH <sub>2</sub> O<br>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-NP   | 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 + New iOS and Android App Included |
| 1500-NP-O | Standard 1500-1 Kit PLUS: Oil Smoke Pump, Smoke Filter Papers, and Comparison Chart                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1500-NP-P | 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.
- 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



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