E1500
Industrial Combustion Gas Analyzer for Boilers, Engines, & Other Combustion Applications

Accurate / Reliable / Robust / Fast

- Built-In Printer
- Draft & Differential Pressure
- Flue and Ambient Temp
- Customizable Display Screen & Print out
- Built-In Manometer
- Combustion Efficiency
- Automatic Data Logging
- Internal Memory (2,000 tests)

O₂, & CO with Calculated CO₂
Field Replaceable Sensors
Built-In Printer
Non-Fading Paper
PC Software with Bluetooth®
Full Color Graphic Display
iOS and Android Mobile Applications

E Instruments International
www.e-inst.com
P: 1+215-750-1212 - F: 1+215-750-1399
402 Middletown Blvd, Ste 216 Langhorne, PA, USA, 19047
E1500 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 Data Logging
PC Software, Bluetooth™ & App Included

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Sensor</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>O₂</td>
<td>Electrochemical</td>
<td>0 - 25 %</td>
<td>0.1 %</td>
<td>±0.2 % vol</td>
</tr>
<tr>
<td>CO</td>
<td>Electrochemical</td>
<td>0 - 8000 ppm</td>
<td>1 ppm</td>
<td>±8 ppm &lt;400 ppm</td>
</tr>
<tr>
<td>H₂ compensated w/ built-in NOx filter</td>
<td>Electrochemical</td>
<td>0 - 8000 ppm</td>
<td>1 ppm</td>
<td>±5 % rdg up to 2000 ppm</td>
</tr>
<tr>
<td>CO₂</td>
<td>Calculated</td>
<td>0 - 99.9 %</td>
<td>0.1 %</td>
<td>-</td>
</tr>
<tr>
<td>Tair</td>
<td>Pt100</td>
<td>-4 to 248 °F</td>
<td>0.1 °F</td>
<td>±1 °F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-20 to 120 °C</td>
<td>0.1 °C</td>
<td>±1 °C</td>
</tr>
<tr>
<td>Tgas</td>
<td>Tc K</td>
<td>-4 to 2280 °F</td>
<td>0.1 °F</td>
<td>±2 °F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-20 to 1250 °C</td>
<td>0.1 °C</td>
<td>±2 °C</td>
</tr>
<tr>
<td>Differential temperature</td>
<td>Calculated</td>
<td>-4 to 2280 °F</td>
<td>0.1 °F</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-20 to 1250 °C</td>
<td>0.1 °C</td>
<td>-</td>
</tr>
<tr>
<td>Pressure/Draft</td>
<td>Semiconductor</td>
<td>-4 to 80 inH₂O</td>
<td>0.001 inH₂O</td>
<td>±1 % rdg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-10 to 200 mbar</td>
<td>0.01 mbar</td>
<td>-</td>
</tr>
<tr>
<td>Excess air</td>
<td>Calculated</td>
<td>0 - 850 %</td>
<td>1 %</td>
<td>-</td>
</tr>
<tr>
<td>Efficiency</td>
<td>Calculated</td>
<td>0 - 100 %</td>
<td>0.1 %</td>
<td>-</td>
</tr>
</tbody>
</table>

Standard Probe Details:
- 12” (300mm) probe
- 1470 °F (800 °C) max
- 10’ (3m) Dual Hose
- Longer & High Temperature Probes available

All E1500 Kits Include:
- New iOS & Android App
- Built-In Printer
- O₂, CO, CO₂
- Combustion Efficiency, Losses, Excess Air
- 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

Ordering Information

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1500-1</td>
<td>BTU1500 Base Kit = Analyzer w/O₂, CO, CO₂, Efficiency, Excess Air, Draft, Pressure, Temp,</td>
</tr>
<tr>
<td></td>
<td>Rechargeable Battery &amp; AC Plug, 12” (300mm) Probe with 10’ (3m) Dual hose, Vinyl Case,</td>
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<tr>
<td></td>
<td>Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll,</td>
</tr>
<tr>
<td></td>
<td>2000 Internal Data Storage, PC Software, Bluetooth™ Connectivity, Automatic Outdoor Air Temperature Saving for ALL 90%+ Systems &amp; Condensing Systems for TRUE Efficiency Calculations + Built-In Printer + New iOS and Android App Included</td>
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