

E1100



Industrial Combustion Analyzer

Providing the latest in Combustion Gas & Emissions Analyzers for Boiler, Engine, Furnace, and other Combustion Applications

- CO Sensor w/ NOx Filter
- Built-In NON-THERMAL Printer
- Draft & Differential Pressure Meter
- 2 Channel Thermometer
- Ambient CO Monitor
- ONE Button Operation
- CO with 1 ppm Resolution
- Rechargeable Li Ion Battery
- ZOOM Function
- Immediate Response Time
- External Condensation Trap
- 900 Test Internal Memory
- PC Software with USB Cable & Bluetooth Communications



O₂

CO₂

CO

Efficiency

Excess Air

Tair Tgas

DRAFT

Diff. Press

Ambient CO



Unbreakable Metal Probe Connections



Field Replaceable Pre-Calibrated Sensors

E Instruments International

www.E-Inst.com

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

E1100 Features



Internal Impact Printer

A **Built-In** impact printer uses **NON-THERMAL** paper rolls for easy printing of data without extra parts or communications needed.

BIG Bright BLUE Backlight w/ ZOOM Feature

Unbreakable **Metal Connections**

10' Dual Hose, 12" Probe
Gas, Draft, Temp = All-at-once



Pre-Calibrated Gas Sensors

The field-replaceable, pre-calibrated gas sensors can easily be replaced in the field to provide a convenient way to minimize costly downtime!

Magnetic Rubber Boot
"Hands-Free"

Durable "**Boiler Room**" Design

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

| Parameter | Sensor | Range | Resolution | Accuracy |
|--|-----------------|-----------------------------|---|--|
| O ₂ | Electrochemical | 0 - 25% | 0.1% | ±0.2% vol |
| CO H ₂ Compensated w/ Built-in NO _x Filter | Electrochemical | 0 - 8000 ppm | 1 ppm | ±20 ppm <400ppm ±5% rdg up to 2000 ppm ±10% rdg for >2000 ppm |
| CO ₂ | 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 2280°F | 0.1°F | |
| Pressure/Draft | Semiconductor | ± 0 - 80 inH ₂ O | 0.001 inH ₂ O | ±0.008 inH ₂ O for ±0.16 inH ₂ O ± 5% meas. val. elsewhere |
| Excess Air | Calculated | 0 - 850% | 1 % | |
| Efficiency | Calculated | 0 - 100% | 0.1% (also for condensing boilers with automatic detection) | |

Ordering Information

| Model No. | Description |
|-----------|--|
| E1100-1 | E1100 Unit (O ₂ , CO, CO ₂ , Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, Dual Hose, Probe, ABS Carrying Case, Calibration Certificate, Operating Manual, Water Trap, Paper Roll, 900 Test Memory, Built-In Printer , & Software Package) |



Pre-Calibrated Gas Sensors



Unbreakable Metal Connections



E1100-1



Bulletin: E1100-1 Ed. 1/2014 - Information & design subject to change at the manufacturer's discretion

E Instruments International

www.E-Inst.com

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