

# 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



O<sub>2</sub>

CO<sub>2</sub>

CO

Efficiency

Excess Air

Tair Tgas

DRAFT

Diff. Press

Ambient CO



**NEW** Unbreakable Metal Probe Connections

**NEW** 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.

## 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!

**BIG Bright BLUE** Backlight w/ **ZOOM** Feature



Unbreakable **Metal** Connections



Magnetic Rubber Boot "Hands-Free"

Durable "**Boiler Room**" Design

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

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



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 NO <sub>x</sub> Filter	Electrochemical	0 - 8000 ppm	1 ppm	±20 ppm <400ppm ±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 2280°F	0.1°F	
Pressure/Draft	Semiconductor	± 0 - 80 inH <sub>2</sub> O	0.001 inH <sub>2</sub> O	±0.008 inH <sub>2</sub> O for ±0.16 inH <sub>2</sub> O ± 5% meas. val. elsewhere
Excess Air	Calculated	0 - 850%	1 %	
Efficiency	Calculated	0 - 100%	0.1% (also for condensing boilers with automatic detection)	



## Pre-Calibrated Gas Sensors



## Unbreakable Metal Connections



E1100-1

## Ordering Information

Model No.	Description
E1100-1	E1100 Unit (O <sub>2</sub> , CO, CO <sub>2</sub> , 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, <a href="#">Built-In Printer</a> , & <a href="#">Software Package</a> )

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