

BTU1100



Residential Combustion Analyzer

Providing the latest and most innovative "ALL-IN-ONE" Combustion Gas Analyzers for COMPLETE Boiler & Burners Set-Ups, Servicing & Maintenance

- 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 Battery
- ZOOM Function
- Immediate Response Time
- External Condensation Trap
- 600 Test Internal Memory
- PC Software Available



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: 172 Middletown Blvd, Ste B201 Langhorne, PA 19047

BTU 1100 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 1830°F	0.1°F	
Pressure/Draft	Semiconductor	± 0 - 40 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	1.00 - infinity	0.01	
Efficiency	Calculated	0-100%	0.1% (also for condensing boilers with automatic detection)	



Pre-Calibrated Gas Sensors



Unbreakable Metal Connections

Ordering Information

Model No.	Description
1100-1	BTU1100 Unit O ₂ , CO, CO ₂ , Efficiency, Excess Air, Draft, Pressure, Temp, Recharge Battery & AC Plug, Dual Hose, Probe, Vinyl Case, Calibration Certificate, Operating Manual, Water Trap, Paper Roll, 600 Test Memory & Built-In Printer
1100-2 Smoke Kit	Standard 1100-1 Kit PLUS Smoke Pump, Smoke Filter Papers and Comparison Chart



1100-1

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