BTU1100

E INSTRUMENTS

Residential Combustion Analyzer

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

- **Built-In** NON-THERMAL Printer
- CO Sensor w/ NOx Filter
- Draft & Differential Pressure Manometer
- 2 Channel Thermometer
- Ambient CO Monitor
- Easy One Button Operation
- Magnetic Rubber Boot
- Li-Ion Rechargeable Battery
- ZOOM Function
- Immediate Response Time
- External Condensation Trap
- 900 Test Internal Memory
- PC Software & USB Kit Available



- O_2
- CO_2
- CO
- Efficiency
- Excess Air
- Tair Tgas
- DRAFT
- Diff. Press
- Ambient CO



NEW **Unbreakable Metal Probe Connections**

NEW **Field Replaceable Pre-Calibrated Sensors**

NEW **High Efficiency Kits for ALL 90%+ Systems**

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.

Pre-Calibrated Gas Sensors

The **Field-Replaceable, Pre-Calibrated** gas sensors provide an easy way to minimize costly downtime!



BIG Bright BLUE Backlight w/ ZOOM Feature

Magnetic Rubber Boot "Hands-Free"

Unbreakable **Metal** Connections

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_2	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO H_2 Compensated w/ Built-in NO_2 Filter	Electrochemical	0 - 8000 ppm	1 ppm	±10 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 - 80 inH_2O	0.001 inH_2O	±0.008 inH_2O for ±0.16 inH_2O ± 5% meas. val. elsewhere
Excess Air	Calculated	0 - 850%	1%	
Efficiency	Calculated	0 - 100%	0.1%(also for condensing boilers w/ auto detection)	
Warranty	2 years: Analyzer + Sensors			



Pre-Calibrated Gas Sensors



Unbreakable Metal Connections

Ordering Information

Model No.	Description
1100-1	BTU1100 Base Kit = Analyzer w/ O_2, CO, CO_2, Efficiency, Excess Air, Draft, Pressure, Temp, Rechargeable Battery & AC Plug, 10' Dual Hose, 12" Probe, Vinyl Case, Calibration Certificate, Operating Manual, Cheat Sheet, Water Trap, Paper Roll, 900 Test Memory & Built-In Printer
1100-Oil	Standard 1100-1 Kit **PLUS** Oil Smoke Pump, Smoke Filter Papers and Comparison Chart + Built-In Printer
1100-HE High Efficiency Kit	Standard 1100-1 Kit **PLUS** SMART Incoming Air Temp Probe + Differential Pressure Kit for ALL **90%+** Systems & Condensing Systems + Built-In Printer