

## COMBUSTION ANALYZER BTU1500 SERIES

### DESCRIPTION

The **E Instruments BTU1500-1** combustion gas analyzer is the latest and most innovative all-in-one tool for complete boiler and burners set-ups, servicing and maintenance. The **BTU1500-1** measures O<sub>2</sub>, CO, CO<sub>2</sub>, efficiency, excess air, draft, pressure, and temperature. It has a large Color backlit digital display with zoom functions, heavy duty metal connections, a 10' dual hose with 12" probe, data memory, Wireless Bluetooth, PC software, Field Replaceable sensors, Auto saving features, built-in pressure manometer, built-in CO leak detector and an integral BUILT-IN non-fading printer. Also included are a Li-Ion rechargeable battery and AC plug, USB cable, Software, vinyl case, calibration certificate, water trap and an extra roll of printer paper. Also included are a rechargeable battery and AC plug, vinyl case, calibration certificate, water trap and an extra roll of printer paper. The **BTU1500-OIL** has all those features plus smoke pump, smoke filter papers and comparison chart.



BTU1500 Series



### FEATURES

- CO sensor with NOx filter
- Built-in non-thermal printer
- Draft and differential pressure meter
- Two-channel thermometer
- Ambient CO monitor
- One-button operation
- Rechargeable battery and AC charger
- Zoom function
- Immediate response time
- External condensation trap
- 600 test internal memory and PC capability
- Field replaceable sensors
- Wireless Bluetooth

### SPECIFICATIONS

<b>Supply Voltage</b>	Lithium rechargeable battery with AC charger (8-9 hours single charge)	<b>CO<sub>2</sub></b>	0.1%
<b>Accuracy</b>		<b>Tair</b>	0.1°F
O <sub>2</sub>	±0.2% of volume	<b>Tgas</b>	0.1°F
CO	±10 ppm (400 ppm), ±5% range (400 to 2000 ppm), ±10 range (>2000 ppm)	<b>Tdifferential</b>	0.1°F
Tair	1°F	<b>Pressure/Draft</b>	0.001" WC
Tgas	±2°F	<b>Excess Air</b>	1%
Pressure/Draft	±0.008"WC (up to 0.16" WC), ±5% (>0.16"WC)	<b>Efficiency</b>	0.1 %
<b>Range</b>		<b>Sensor Type</b>	
O <sub>2</sub>	0-25%	O <sub>2</sub> , CO	electrochemical
CO	0-8000 ppm	CO <sub>2</sub> , Tdifferential	calculated
CO <sub>2</sub>	0-99.9%	Excess air, Efficiency	calculated
Tair	-10° to 212°F (-23° to 100°C)	Tair	PT100
Tgas	-10° to 1830°F (-23° to 1000°C)	Tgas	TcK
Tdifferential	-10° to 1830°F (-23° to 1000°C)	Pressure/Draft	semi-conductor
Pressure/Draft	±80" WC	<b>Operating temperature</b>	23° to 104°F (-5° to 40°C)
Excess Air	0-850%	<b>Dimensions</b>	12"H x 18"W x 10"D (30 x 46 x 25 cm)
Efficiency	0-100%	<b>Type</b>	Fuels: Natural gas, #2 oil, #4 oil, heavy oil, propane, butane, biofuel 5%, coal, diesel, wood/pellets
<b>Resolution</b>		<b>Approvals</b>	CE
O <sub>2</sub>	0.1%	<b>Weight</b>	Unit: 2.4 lb (1.1 kg), Kit: 10 lb (4.5 kg)
CO	1 ppm	<b>Warranty</b>	2 years

### ORDERING INFORMATION

MODEL	DESCRIPTION
BTU1500-1	Combustion analyzer kit (O <sub>2</sub> , CO, CO <sub>2</sub> , draft, probes, case, printer)
BTU1500-OIL	Combustion analyzer kit includes smoke pump kit