BTU4500

ε INSTRUMENTS

Built with Quality in Mind

The Latest in Combustion Analysis Technology

Industrial & Commercial Combustion Analyzer

Accurate

Reliable

Robust

Fast

CO_2

CO

O_2

NEW!

- Up To FOUR Gas Sensors
- Combustion Efficiency
- Low NOx & Total NOx
- CO Sensor w/ NOx Filter
- Draft & Differential Pressure
- 2 Channel Thermometer
- 2000 Test Internal Memory
- PC Software w/ Auto Saving
- Zoom Feature
- **Dilution Pump For CO Auto-Range Measurements Up To 50,000 ppm**

NO

NOx

NO_2

SO_2

Bluetooth

ε **BUILT-IN Printer**

ε **Full COLOR Graphic Display**

ε **Field Replaceable Sensors**

Accuracy • Emissions • Indoor Air Quality • Efficiency

E Instruments International

www.E-Inst.com

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BTU4500 Features

E INSTRUMENTS

Built with Quality in Mind

Pre-Calibrated Field Replaceable Sensors

BUILT-IN Printer

Full COLOR Graphic Display

Simple Menu Interface

Magnetic Rubber Holster

Unbreakable Metal Connections

NEW!

Incoming Air Temperature Probe (Condensing Boilers)

New Auto-Save Feature

Parameter	Sensor	Range	Resolution	Accuracy
O_2	Electrochemical	0 - 25 %	0.1 %	±0.2 % vol
CO H_2 Compensated w/ Built-In NOx Filter	Electrochemical	0 - 8000 ppm	1 ppm	±10 ppm (0 - 200ppm) ±5 % rdg (201 - 2000ppm) ±10 % rdg (2001 - 8000ppm)
CO DILUTED	Electrochemical	0.8% - 5.00%	0.01%	±10% rdg
CO_2	Calculated	0 - 99.9%	0.1 %	
NO	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0 - 100 ppm) ±5% rdg (101 - 5000ppm)
NO_2	Electrochemical	0 - 1000 ppm	1 ppm	±5 ppm (0 - 100 ppm) ±5% rdg (101 - 1000ppm)
Low NO and/or Low NO_2	Electrochemical	0 - 500 ppm	0.1 ppm	±2 ppm (0.0 - 40.0ppm) ±5% rdg (40.1 - 500.0ppm)
NOx	Calculated	0 - 5000 ppm	1 ppm	
SO_2	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0 - 100ppm) ±5% rdg (101 - 5000ppm)
Tair	Pt100	-10 to 212 ˚F -10 to 100 ˚C	0.1 ˚F 0.1 ˚C	±1 ˚F ±1 ˚C
Tgas	Tc K	-4 to 2280 ˚F -20 to 1250 ˚C	0.1 ˚F 0.1 ˚C	±0.5 ˚C (-20 to 100 ˚C) ±0.5% rdg (101 to 1250 ˚C)
Pressure/Draft	Semiconductor	±0 - 80 inH_2O	0.001 inH_2O	±1.0% rdg
Excess Air	Calculated	0 - 850%	1 %	
Efficiency	Calculated	0 - 100%	0.1 %	
Warranty	2 Years: Analyzer + All Sensors			

Probes & Hoses

Standard: 12", 300mm Probe, 1470˚F/800˚C max with 10'/3m Dual Hose

Long: 30", 750mm Probe, 1470˚F/800˚C max with 10'/3m Dual Hose

Long & High Temp: 40", 1m Probe, 2190˚F/1200˚C max, with 10'/3m Dual Hose

Hose Extensions: 10'/3m Length Available

All 4500 Kits Include:

- Built-In Printer
- Draft & Differential Pressure
- Temperature Measurements
- Calculation for CO_2, Efficiency & Excess Air
- Li-Ion Rechargeable Batteries & AC Charger
- Gas Sampling Probe & Hoses
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- 2000 Test Internal Memory
- PC Software & USB Cable
- Bluetooth Connectivity
- Operating Manual
- Calibration Certificate
- ABS Hard Plastic Carrying Case

Ordering Information

Model No.	Description
BTU4500-2	4500 with O_2, CO, **Upgradeable** to NO/NOx Gas Sensors
BTU4500-3	4500 with O_2, CO, NO/NOx Gas Sensors Installed, **Upgradeable** to 4th Gas Sensor
BTU4500-N	4500 with O_2, CO, NO/NOx, **NO_2** Gas Sensors & CO Dilution Auto-Range to 50,000 ppm
BTU4500-S	4500 with O_2, CO, NO/NOx, **SO_2** Gas Sensors & CO Dilution Auto-Range to 50,000 ppm

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