

BTU4500



Built with Quality in Mind

The Latest in Combustion Analysis Technology

Industrial & Commercial Combustion Analyzer

Accurate

Reliable

Robust

Fast

CO₂

CO

O₂

NEW!

- Up To FOUR Gas Sensors
- Combustion Efficiency
- Low NO_x & Total NO_x
- CO Sensor w/ NO_x 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

NO_x

NO₂

SO₂

CxHy

Bluetooth®

BUILT-IN Printer

Full COLOR Graphic Display

Field Replaceable 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

BTU4500 Features



Built with Quality in Mind

BUILT-IN Printer

**Full COLOR
Graphic Display**

**Pre-Calibrated
Field Replaceable
Sensors**

**Magnetic
Rubber Holster**

**Simple Menu
Interface**

**Unbreakable Metal
Connections**

**Incoming Air
Temperature Probe
(Condensing Boilers)**

NEW!



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	±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)
NO _x	Calculated	0 - 5000 ppm	1 ppm	
SO ₂	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0 - 100ppm) ±5% rdg (101 - 5000ppm)
C _x H _y (HC)	Pellistor	0 - 5%	0.01%	±5% Full Scale
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 ₂ O	0.001 inH ₂ O	±1.0% rdg
Excess Air	Calculated	0 - 850%	1 %	
Efficiency	Calculated	0 - 100%	0.1 %	
Warranty	2 Years: Analyzer + All Sensors			



**New Auto-Save
Feature**

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 CO₂, 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/NO _x Gas Sensors
BTU4500-3	4500 with O ₂ , CO, NO/NO _x Gas Sensors Installed, Upgradeable to 4th Gas Sensor
BTU4500-N	4500 with O ₂ , CO, NO/NO _x , NO₂ Gas Sensors & CO Dilution Auto-Range to 50,000 ppm
BTU4500-S	4500 with O ₂ , CO, NO/NO _x , SO₂ Gas Sensors & CO Dilution Auto-Range to 50,000 ppm
BTU4500-C	4500 with O ₂ , CO, NO/NO _x , C_xH_y Gas Sensors & CO Dilution Auto-Range to 50,000 ppm

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