BTU4400

Industrial Combustion Analyzer

Providing the latest in Combustion Gas & Emissions Analyzers for Boiler, Engine, Furnace, and other Combustion Applications

- Up To FOUR Gas Sensors
- LOW NOx and True NOx Capable
- **Built-In** NON-THERMAL Printer
- CO Sensor w/ NOx Filter
- Draft & Differential Pressure Manometer
- 2 Channel Thermometer
- Magnetic Rubber Boot
- Rechargeable Lithium Ion Battery
- ZOOM Function
- Immediate Response Time
- External Condensation Trap
- 900 Test Internal Memory
- PC Software With USB Communications Cable
- Unbreakable Metal Probe & Hose Connections



- O_2
- CO_2
- CO
- NO
- NO_x
- NO_2
- SO_2
- Efficiency
- Excess Air
- Tair Tgas
- Draft & Pressure



NEW **LOW NOx Sensors Available**

NEW **Dilution Pump For CO Auto-Range Measurements Up To 50,000 ppm**

NEW **Field Replaceable Pre-Calibrated Sensors**

BTU4400 Features

Internal Impact Printer

Built-In impact printer uses **NON-THERMAL** paper rolls for easy printing of data without extra parts or communications needed.

PC Software Package For Unlimited Data Storage

BIG Bright BLUE Backlight LCD with ZOOM Feature



Pre-Calibrated Gas Sensors

The **Field-Replaceable, Pre-Calibrated** gas sensors can easily provide a convenient way to minimize costly downtime!

Magnetic Rubber Boot For "Hands-Free" Operations

10 Selectable 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	±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 (0-100ppm) ±5% rdg (101-5000ppm)
NO_2	Electrochemical	0 - 1000 ppm	1 ppm	±5 ppm (0-100ppm) ±5% rdg (101-1000ppm)
Low NO_x 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)
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 Hose

Hose Extensions: 10'/3m Length Available

Unbreakable Metal Connections



Ordering Information

Model No.	Description
BTU4400-2	4400 with O2, CO, **Upgradeable** to NO/NOx gas sensors
BTU4400-3	4400 with O2, CO, NO/NOx gas sensors Installed, **Upgradeable** to 4th Gas Sensor
BTU4400-N	4400 with O2, CO, NO/NOx, **NO_2** gas sensors and CO Dilution Auto-Range to 50,000 ppm
BTU4400-S	4400 with O2, CO, NO/NOx, **SO_2** gas sensors and CO Dilution Auto-Range to 50,000 ppm

All 4400 Kits Include: Built-In impact printer, Draft, Differential Pressure, Temperature measurements, calculations for CO2, efficiency & excess air, rechargeable batteries & AC charger, gas sampling probe & hoses, water trap with filter cartridge, protective rubber holster with magnetic supports, internal memory, PC software package with USB cable, operating manual, calibration certificate, & ABS hard plastic carrying case