

# E4400



## Industrial Combustion Gas & Emissions 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
- CO Sensor w/ NOx Filter
- Built-In NON-THERMAL Printer
- Draft & Differential Pressure Meter
- 2 Channel Thermometer
- CO with 1 ppm Resolution
- Rechargeable Lithium Ion Battery
- ZOOM Function
- Immediate Response Time
- External Condensation Trap
- 900 Test Internal Memory
- PC Software with BlueTooth & USB Communications
- Unbreakable Metal Probe & Hose Connections



O<sub>2</sub>

CO<sub>2</sub>

CO

NO

NO<sub>2</sub>

NO<sub>x</sub>

SO<sub>2</sub>

CxHy

Efficiency & Excess Air

Tair Tgas

Draft & Pressure



LOW NOx Sensors Available



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



Field Replaceable Pre-Calibrated 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

# E4400 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.



PC Software Package For Unlimited Data Storage

## Pre-Calibrated Gas Sensors

The field-replaceable, pre-calibrated gas sensors can easily be replaced in the field to provide a convenient way to minimize costly downtime!

Magnetic Support For "Hands-Free" Operations

## 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 Lengths



## Unbreakable Metal Connections



**All E4400 include:** built-in impact printer, draft/pressure & temperature measurements, calculations for CO<sub>2</sub>, 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

Parameter	Sensor	Range	Resolution	Accuracy
O <sub>2</sub>	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO	Electrochemical	0 - 8000 ppm	1 ppm	±10 ppm (0-200ppm) ±5% rdg (201-2000ppm) ±10% rdg (2001-8000ppm)
H <sub>2</sub> Compensated w/ Built-in NO <sub>x</sub> Filter				
CO DILUTED	Electrochemical	0.8% - 5.00%	0.01%	±10% rdg
CO <sub>2</sub>	Calculated	0 - 99.9%	0.1%	
NO	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0-100ppm) ±5% rdg (101-5000ppm)
NO <sub>2</sub>	Electrochemical	0 - 1000 ppm	1 ppm	±5 ppm (0-100ppm) ±5% rdg (101-1000ppm)
Low NO and/or Low NO <sub>2</sub>	Electrochemical	0 - 500 ppm	0.1 ppm	±2 ppm (0.0-40.0ppm) ±5% rdg (40.1-500.0ppm)
NO <sub>x</sub>	Calculated	0 - 5000 ppm	1 ppm	
SO <sub>2</sub>	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0-100ppm) ±5% rdg (101-5000ppm)
CxHy	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 <sub>2</sub> O	0.001 inH <sub>2</sub> O	±1.0% rdg
Excess Air	Calculated	0 - 850 %	1 %	
Efficiency	Calculated	0 - 100 %	0.1%	

## Ordering Information

Model No.	Description
E4400-3D	E4400 with O <sub>2</sub> , CO, NO/NO <sub>x</sub> gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-N	E4400 with O <sub>2</sub> , CO, NO/NO <sub>x</sub> , NO <sub>2</sub> gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-S	E4400 with O <sub>2</sub> , CO, NO/NO <sub>x</sub> , SO <sub>2</sub> gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-C	E4400 with O <sub>2</sub> , CO, NO/NO <sub>x</sub> , CxHy gas sensors and CO Dilution Auto-Range to 50,000 ppm

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