

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 NO_x and True NO_x Capable
- CO Sensor w/ NO_x 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 USB Communications Cable
- Unbreakable Metal Probe & Hose Connections



O₂

CO₂

CO

NO

NO₂

NO_x

SO₂

C_xH_y

Efficiency & Excess Air

Tair Tgas

Draft & Pressure



LOW NO_x 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: 172 Middletown Blvd, Ste B201 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 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

Parameter	Sensor	Range	Resolution	Accuracy
O ₂	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 ₂ Compensated w/ Built-in NO _x Filter				
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 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)
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 ₂ O	0.001 inH ₂ 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 ₂ , CO, NO/NO _x gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-N	E4400 with O ₂ , CO, NO/NO _x , NO ₂ gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-S	E4400 with O ₂ , CO, NO/NO _x , SO ₂ gas sensors and CO Dilution Auto-Range to 50,000 ppm
E4400-C	E4400 with O ₂ , CO, NO/NO _x , CxHy gas sensors and CO Dilution Auto-Range to 50,000 ppm

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