

E4500



Built with Quality in Mind

Handheld Versatile Gas Analyzer for Emissions Monitoring of Boiler, Engine, Furnace, and Other Combustion Applications

Industrial Combustion Gas & Emissions Analyzer

Accurate

Reliable

Robust

Fast

CO₂

BUILT-IN
PRINTER

CO

● Up To FOUR Gas Sensors

● PC Software with Bluetooth

O₂

● Automatic Data Saving

● Total NO_x Capable

● Combustion Efficiency

● CO Sensor w/ NO_x Filter

● Draft & Differential Pressure

● 2 Channel Thermometer

● Internal Memory (2000 Tests)

● Customizable Display Screen & Print-Out

● Pre-Calibrated, Field Replaceable Gas Sensors

● Dilution Pump For CO Auto-Range Measurements Up To 10%



NO

NO_x

NO₂

SO₂

C_xH_y
(HC)

 **NEW Sample Conditioning Unit For Low NO_x & Low SO₂ Applications**



 **Full COLOR Graphic Display**

 **BUILT-IN Printer**

E Instruments International

www.E-Inst.com

P: 215-750-1212 F: 215-750-1399 A: 402 Middletown Blvd, Ste 216 Langhorne, PA 19047

E4500 Features



Built with Quality in Mind



Sample Conditioning Unit For Low NO_x & SO₂ Applications

Removes Moisture at the Probe For More Accurate Low NO_x & SO₂ Measurements

High Temperature Probe & Sintered Filter Available



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	±8 ppm (0 - 200ppm) ±5 % rdg (201 - 2000ppm) ±10 % rdg (2001 - 8000ppm)
CO DILUTED	Electrochemical	0.8% - 10.00%	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 - 100.0 ppm	0.1 ppm	±1.5 ppm (0.0 - 40.0ppm) ±5% rdg (40.1 - 100.0ppm)
NO _x	Calculated	0 - 5000 ppm	1 ppm	
SO ₂	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm (0 - 100ppm) ±5% rdg (101 - 5000ppm)
Low SO ₂	Electrochemical	0 - 100.0 ppm	0.1 ppm	±1.5 ppm (0.0 - 40.0ppm) ±5% rdg (40.1 - 100.0ppm)
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 %	

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



All E4500 Kits Include:

- Built-In Printer
- Draft & Differential Pressure
- Temperature Measurements
- Calculation for CO₂, Efficiency & Excess Air
- 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 Module (Internal)
- Operating Manual
- Calibration Certificate
- ABS Hard Plastic Carrying Case
- FREE Smart Phone App for Android & iOS Devices

Ordering Information

Model No.	Description
E4500-3	E4500 with O ₂ , CO, NO/NO _x Gas Sensors Installed, Upgradeable to 4th Gas Sensor
E4500-N	E4500 with O ₂ , CO, NO/NO _x , NO₂ Gas Sensors & CO Dilution Auto-Range to 10 %
E4500-N _{Low}	E4500 with O ₂ , CO, Low NO/NO_x, Low NO₂ Gas Sensors & CO Dilution Auto-Range to 10 %
E4500-S	E4500 with O ₂ , CO, NO/NO _x , SO₂ Gas Sensors & CO Dilution Auto-Range to 10 %
E4500-S _{Low}	E4500 with O ₂ , CO, NO/NO _x , Low SO₂ Gas Sensors & CO Dilution Auto-Range to 10 %
E4500-C	E4500 with O ₂ , CO, NO/NO _x , C_xH_y (HC) Gas Sensors & CO Dilution Auto-Range to 10 %

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