



E4500-NP

Gas Analyzer for Emissions Monitoring of Boiler, Engine, & Other Combustion Applications



Accurate / Reliable / Robust / Fast

- Up to **FOUR** Gas Sensors
- Automatic Data Logging
- Total NOx Capable
- Draft & Differential Pressure
- Dilution Pump for CO Auto-Range Measurements up to 10%
- PC Software with Bluetooth®
- Real-time data reading on Smartphone



NO, O₂, CO, NO₂, SO₂, CxHy (HC)



Field Replaceable Sensors



Auto-Zero in the Flue



PC Software with Bluetooth®



Full Color Graphic Display



iOS and Android Mobile Applications

Parameter	Sensor	Range	Resolution	Accuracy
O ₂	Electrochemical	0 - 25%	0.1%	±0.2% vol
CO-H ₂ compensated w/ built-in NOx filter	Electrochemical	0 - 8000 ppm	1 ppm	±10 ppm <200 ppm ±5 % rdg up to 2000 ppm ±10 % rdg >2000 ppm
CO diluted	Electrochemical	0.8 - 10.00%	0.1%	±20% rdg
CO ₂	Calculated	0 - 99.9%	0.1%	-
NO	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm <100 ppm ±5 % rdg for >100 ppm
NO ₂	Electrochemical	0 - 1000 ppm	1 ppm	±5 ppm <100 ppm ±5 % rdg for >100 ppm
Low NO	Electrochemical	0 - 500.0 ppm	0.1 ppm	±2 ppm <40 ppm ±5% rdg for <40 ppm
Low NO ₂	Electrochemical	0 - 500.0 ppm	0.1 ppm	±2 ppm <40 ppm ±5% rdg for <40 ppm
NOx	Calculated	0 - 5000 ppm	1 ppm	-
SO ₂	Electrochemical	0 - 5000 ppm	1 ppm	±5 ppm <100 ppm ±5% rdg for >100 ppm
Low SO ₂	Electrochemical	0 - 500.0 ppm	0.1 ppm	±2 ppm <40 ppm ±5% rdg for <40.1 ppm
CxHy (HC)	Pellistor	0 - 5%	0.01%	0.25% vol
Tair	Tc K	-20 to 1250°C	0.1°C	±0.5 °C from 0 to 100 °C ±0.5% rdg from 101 to 1250 °C
Tgas	Tc K	-20 to 1250°C	0.1°C	±0.5 °C from 0 to 100 °C ±0.5% rdg from 101 to 1250 °C
Differential temperature	Calculated	0 to 1250°C	0.1°C	-
Pressure/Draft	Semiconductor	-10 à 200 hPa	0.01 hPa	±1 % rdge from -10 to -2.01 hPa ±0.02 hPa from -2.00 to 2.00 hPa ±1 % rdg from 2.01 to 200 hPa
Excess air	Calculated	0 - 850%	1%	-
Efficiency	Calculated	0 - 100%	0.1%	-

Ordering Information

Model #	Description
E4500-NP-2	E4500 Kit with O ₂ & CO Gas Sensors & CO Dilution Auto-Range to 10%, Upgradable to 3 & 4 Gas sensors
E4500-NP-3	E4500 Kit with O ₂ , CO, NO/NOx Gas Sensors & CO Dilution Auto-Range to 10%, Upgradable to 4th Gas Sensor
E4500-NP-N	E4500 Kit with O ₂ , CO, NO/NOx, NO₂ Gas Sensors & CO Dilution Auto-Range to 10%
E4500-NP-S	E4500 Kit with O ₂ , CO, NO/NOx, SO₂ Gas Sensors & CO Dilution Auto-Range to 10%

Standard Probe Details

- 300 mm Probe
- 800 °C max
- 3 m Dual Hose

Long Probe & Hose

- 750 mm Probe
- 800 °C max
- 3 m Dual Hose

Long & High Temp Probe & Hose

- 1 m Probe
- 1200 °C max
- 3 m Dual Hose

Hose Extensions

- 3 m Length Available

E4500 Kits

- New iOS & Android App (Real-time data reading & QR code scanning)
- CO₂ % Calculation
- Combustion Efficiency, Losses & Excess Air Calculations
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 2000 Test Internal Memory
- Bluetooth® Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- PC Software & USB Cable
- Operating Manual & Quick Start Guide
- Calibration Certificate
- Carrying Case

Standards

- RoHS & RAEE
- EN 50379-1
- EN 50379-2

