



# S4500

## COMMERCIAL / INDUSTRIAL EMISSIONS ANALYZER

**Fast / Easy / Robust / Accurate**

- **Built In Printer**
- up to 4 gas (O<sub>2</sub>, CO, NO, NO<sub>2</sub>, CO<sub>2</sub>, SO<sub>2</sub>, CxHy (HC))
- Low NOx Available
- Total NOx Available (NO+NO<sub>2</sub>)
- Automatic data logging
- Dilution pump for CO Auto range up to 100,000 ppm
- Smartphone Real Time + QRcode App (iOS, Android)
- Built in Pressure Manometer
- Draft & Differential Pressure
- PC Software Included
- High Altitude adjustment



**Seitron Smart Analysis**



**Windows Software  
Seitron Smart Analysis**



### Features

- Combustion Efficiency, Losses, Excess Air
- CO sensor protection
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 2000 Test Internal Memory
- Bluetooth Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose

**Built-in printer**



**Field Replaceable Sensors**



**O<sub>2</sub>, CO, CO<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, CxHy (HC)  
Gas Sensors**



**Full color Graphic Display**



**Mobile App - iOS, Android**



**For all High Efficiency Condensing Systems**



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MEASUREMENT	SENSOR	RANGE	RESOLUTION	ACCURACY
O <sub>2</sub> Long life	Electrochemical	0 .. 25.0% vol	0.1% vol	±0.2% vol
CO sensor w/ Over Range protection NOx filter	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value
		501 .. 8000 ppm	1 ppm	±5% measured value ±10% measured value
CO <sub>2</sub>	Calculated	0 .. 99.9% vol	0.1% vol	-
Low NO	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value
Standard NO		501 .. 5000 ppm	1 ppm	±5% measured value
Low NO <sub>2</sub>	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value
Standard NO <sub>2</sub>		501 .. 1000 ppm	1 ppm	±5% measured value
Low SO <sub>2</sub>	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value
Standard SO <sub>2</sub>		501 .. 5000 ppm	1 ppm	±5% measured value
NOx	Calculated	-	-	-
CxHy (HC)	Pellistor	0 .. 5%	0.01 %	±5% full scale
Air Temperature	Pt100	- 4 to 248 °F - 20 to 120 °C	33.8 °F 0.1 °C	33.8 °F 0.1 °C
Gas Temperature	TcK	- 4 to 2280 °F - 20 to 1250 °C	33.8 °F 0.1 °C	33.8 °F 0.1 °C
Differential temperature	Calculated	- 4 to 2280 °F - 20 to 1250 °C	0.1 °C	-
Pressure/Draft	Piezo Resistive	-40.1 .. +80.4 inH <sub>2</sub> O	0.004 inH <sub>2</sub> O	±1% measured value ±0.08 inH <sub>2</sub> O ±1% measured value
Excess air	Calculated	0 .. 850%	1%	-
Efficiency	Calculated	0 .. 100%	0.1%	-
Warranty	4 years on Sensors and 2 years on Analyzer			

**Standard Probe Detail:**

- 12" (300mm) probe
- 1112 °F (600 °C) max
- 10' (3m) Dual Hose

**Long Probe Detail:**

- 30" (750mm) probe
- 1472 °F (800 °C) max
- 10' (3m) Dual Hose

**Long & High Temp Probe Detail:**

- 40" (1m) Probe or 60" (1.5m) probe
- 2192 °F (1200 °C) max
- 10' (3m) Hose

**Hose Extention:**

- 10' (3m) Length Available

Model	Description
S4500-2	S4500 with O <sub>2</sub> , Low CO Gas Sensors, Upgradable to NO/NOx Gas Sensor
S4500-3	S4500 with O <sub>2</sub> , CO, Standard NO/NOx Gas Sensors, Upgradable to 4th Gas Sensor
S4500-3-Low	S4500 with O <sub>2</sub> , Low CO, Low NO/NOx Gas Sensors, Upgradable to 4th Gas Sensor
S4500-N	S4500 with O <sub>2</sub> , CO, Standard NO/NOx, Standard NO <sub>2</sub> Gas Sensors
S4500-N-Low	S4500 with O <sub>2</sub> , Low CO, Low NO/NOx, Low NO <sub>2</sub> Gas Sensors
S4500-S	S4500 with O <sub>2</sub> , CO, NO/NOx, SO <sub>2</sub> Gas Sensors
S4500-S-Low	S4500 with O <sub>2</sub> , Low CO, Low NO/NOx, Low SO <sub>2</sub> Gas Sensors
S4500-C	S4500 with O <sub>2</sub> , CO, Standard NO/NOx, CxHy Gas Sensors
S4500-C Low	S4500 with O <sub>2</sub> , Low CO, Low NO/NOx, CxHy Gas Sensors