



S4500

COMMERCIAL / INDUSTRIAL EMISSIONS ANALYZER

Fast / Easy / Robust / Accurate

- Built In Printer
- up to 4 gas (O₂, CO, NO, NO₂, CO₂, SO₂, CxHy (HC))
- Low NOx Available
- Total NOx Available (NO+NO₂)
- 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



O₂, CO, CO₂, NO, NO₂, SO₂, 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 ₂ 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	0 .. 40.0 ppm 40.1 .. 500.0 ppm
		501 .. 8000 ppm	1 ppm	±5% measured value ±10% measured value	501 .. 2000 ppm 2001 .. 8000 ppm
CO ₂	Calculated	0 .. 99.9% vol	0.1% vol	-	
Low NO	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value	0 .. 40.0 ppm 40.1 .. 500.0 ppm
Standard NO		501 .. 5000 ppm	1 ppm	±5% measured value	501 .. 5000 ppm
Low NO ₂	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value	0 .. 40.0 ppm 40.1 .. 500.0 ppm
Standard NO ₂		501 .. 1000 ppm	1 ppm	±5% measured value	501 .. 1000 ppm
Low SO ₂	Electrochemical	0 .. 500 ppm	0.1ppm	±2 ppm ±5% measured value	0 .. 40.0 ppm 40.1 .. 500.0 ppm
Standard SO ₂		501 .. 5000 ppm	1 ppm	±5% measured value	501 .. 5000 ppm
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 ₂ O	0.004 inH ₂ O	±1% measured value ±0.08 inH ₂ O ±1% measured value	-40.1 .. -0.81 inH ₂ O -0.80 .. +0.80 inH ₂ O +0.81 .. +80.4 inH ₂ O
Excess air	Calculated	0 .. 850%	1%	-	
Efficiency	Calculated	0 .. 100%	0.1%	-	
Warranty	4 years on Sensors and 2 years on Analyzer				

Distributed by:**Temperature & Process Instruments, Inc.****1767 Central Park Ave. Suite 112 Yonkers, NY 10703****Phone: 914-673-0333****Web Site: www.tnp-instruments.com****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 Extension:

- 10' (3m) Length Available

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