



Chemist 900 is the emissions analyzer designed to offer accurate and reliable measurements in the industrial sector. Thanks to its ability to simultaneously measure up to 12 different gases, advanced connectivity, and robust construction, it is the ideal tool for technicians and professionals who operate in demanding environments where it is necessary to carry out prolonged measurement campaigns.

- ✓ Up to 12 Gases
- ✓ Advanced Connectivity
- ✓ Large Internal Memory
- ✓ Flexible Power Supply
- ✓ Regulatory Compliance

MEASUREMENT & VERSATILITY

Measurement of up to 12 gases

Configurable with up to 9 electrochemical sensors and an NDIR bench for the simultaneous analysis of gases such as O₂, CO, CO₂, CH₄, C_xH_y, NO, NO₂, SO₂, H₂S and NH₃.

Unmatched Versatility

The Chemist 900 analyzer features a gas sample aspiration pump and a second dilution pump; it can carry out temperature measurements of gas, combustion air, external air and other auxiliary temperatures, as well as positive, negative, and differential pressure measurements.

It can be used with gas sampling probes of various sizes and lengths, including probes with heated heads and tubes.

It also features an integrated sample treatment system with a cooler, filters, and automatic condensate drain.

APPLICATIONS & BENEFITS

Ideal Applications

The versatility of the Chemist 900 makes it an indispensable tool for monitoring and optimizing emissions in various sectors, including:

- Industrial burners
- Cogeneration units
- Gas turbines
- Industrial ovens
- Complex industrial processes

Why choose Chemist 900

- **Accuracy & Reliability:** High quality sensors and advanced features for accurate measurements.
- **Versatility:** Customizable configurations to adapt to different application needs.
- **Ease of Use:** Intuitive interface and advanced connectivity for efficient data management.
- **Ruggedness:** Durable construction for operations in harsh industrial environments.

- **Assistance:** As with all Seitron analyzers, our service team supports the customer from pre-to post-sales quickly and effectively.

TECHNICAL CHARACTERISTICS

Sensors	9 individual measurement sensors and an infrared bench (NDIR) for CO / CO ₂ / CxHy
Simultaneous Measurements	Up to 12 variables
Measurable Gases	O ₂ , CO, CO ₂ , CH ₄ , CxHy, NO, NO ₂ , SO ₂ , H ₂ S, NH ₃
Fuels	11 pre-loaded + another 16 user-programmable
Pumps	Main suction pump + second pump for dilution of the gas taken
Temperature Measurement	Gas, combustion air, external air, and other auxiliary temperatures
Pressure	Positive, negative, and differential pressure measurement
Anti-condensation	Mechanical expansion system or rapid Peltier effect cooler
Condensate Evacuation	Automatic system with peristaltic pump
Internal Memory	Up to 16,000 complete analyses
Connectivity	Bluetooth® class 1
Power Supply	Internal lithium-ion batteries or from the 90 .. 260 Vac mains
Case	Rugged metal suitcase with trolley for safe transport
Standards Compliance	EN 50379-1, EN 50379-2, UNI 10389-1

