

CHEMIST 900 RACK

The evolution of Emission analysis. Flexible, efficient, reliable.



The Chemist 900 Rack is an industrial emissions analyzer suitable for continuous measurement. Its 19" rack structure and 4 rubber feet, supplied as standard, make it versatile both for use in standard cabinets and for use in the laboratory for tests or for research and development.

- ✓ Up to 8 Gases
- ✓ Advanced Connectivity
- ✓ 4.3" TFT Color Display
- ✓ Integrated Cooling
- ✓ 19" Rack Structure
- ✓ Field Calibration

MEASUREMENT & SENSORS

Measurement of up to 8 gases

Configurable with electrochemical sensors and NDIR technology for the simultaneous analysis of gases such as O₂, CO, CO₂, CH₄, C_xH_y, NO, NO₂, SO₂, H₂S, NH₃ and H₂.

Electrochemical and NDIR sensors

Electrochemical sensors offer high measurement precision, and NDIR sensors provide faster response times and allow you to measure higher concentrations of CO₂ and flammable gases. The right sensor technology with which to equip the Chemist 900 Rack must therefore be chosen based on the specific needs of each application.

For this reason, our team offers complete assistance in the analyzer configuration process to ensure the best performance.

APPLICATIONS & BENEFITS

Application Examples

Continuous monitoring of emissions is fundamental in the industrial sector, as it guarantees process efficiency, safety, and environmental respect. Below are some application examples of Chemist 900 Rack in high energy consumption industries:

- Emissions monitoring
- Chemical industry
- Energy production plants
- Biogas plants
- High temperature productions
- Heat treatments
- Food industry

Why choose Chemist 900 Rack

- **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.

- **Assistance:** As with all Seitron analyzers, our assistance service is able to support the customer from pre- to post-sales quickly and effectively.

TECHNICAL CHARACTERISTICS

Sensors	5 single measurement sensors and an infrared bench (NDIR) for CO / CO ₂ / HC / CH ₄
Simultaneous Measurements	Up to 8 variables
Output Signal	4 to 20mA
Measurable Gases	O ₂ , CO, H ₂ , NO, CH ₄ , C ₃ H ₈ , H ₂ S, NH ₃ , SO ₂ , NO ₂ , CO ₂
Fuels	15 pre-loaded + another 32 user programmable
Display	TFT Graphic Color 4.3"
Sample Treatment	Peltier cooling system with condensate collector and automatic emptying
Flow Meter	For immediate display of the pump flow rate
Communication	USB-RS485 MODBUS RTU
Power Supply	90 .. 264 Vac
Dimensions	19" / 4 HE / 400 mm
Weight	~ 6.8 Kg
Standards Compliance	EN 50379-1, EN 50379-2, UNI 10389-1
US Regulations Compliance	CTM030 and CTM034

