



SENEMI

Stack gas emissions analyzer for monitoring O₂, CO₂, CO, NO, NO₂ and others flue gases, to operate stand-alone with the continuous emissions monitoring system.

01 PRODUCT DESCRIPTION

The SenEmi series includes the different systems for the processes emissions control, designed and manufactured following the needs and specifications of each customer, to analyze gas samples extracted from the process and treated by the system itself.

SENEMI systems incorporate sensors with different measuring principles such as electrochemical sensors (for toxic gases and oxygen), non-dispersive infrared (NDIR for Carbon Dioxide), photoionization (for Volatile Organic Compounds) and catalytic (for flammable gases), depending on the gas to be analyzed.

The analog signals of the sensors are treated with the control system allowing act onto other systems (electrovalves, fans, alarms, etc.), recording the gas concentration of each sensor, historical (graphs and listings) and design of synoptic based on diagrams, plans and photographs, with a capacity of up to 8 sensors and 3 programmable relay outputs. The touch screen allows you to program outputs according to your needs, set data storage modes and configure parameters for valve activation. Optionally, it can incorporate relay extensions and TCP-IP connectivity.

02 KEY FEATURES

- Analysis system for oxygen, carbon monoxide, hydrogen sulfide, nitrogen oxide, nitrogen dioxide, chlorine, ammonia, sulfur dioxide, volatile organic compounds, etc ...
- Sampling and conditioning system
- Condensate elimination system
- Metal cabinet mounting
- Controller with color touch screen for alarm actuation, relay switching and configuration and storage of historical data

03 APPLICATIONS

- Gas analysis in pipelines
- Gas monitoring and analysis in laboratory processes
- Gas monitoring and analysis in Scrubbers and chimneys
- Multipoint gas monitoring and analysis in environment

04 TECHNICAL SPECIFICATIONS

Detectable Gases	Flammables
	Oxygen
	Carbon Dioxide
	Nitrogen Oxides
	Hydrogen Chloride
	Hydrogen Sulfide
	Volatile Organics Compounds
Sensors	Others
	Catalytics
	Electrochemicals
	Non-dispersive infrared (NDIR)
	Photoionization (PID)
Working Temperature	-25°C to +50°C
	Others
Sample Temperature	< 150°C
Humidity	0 to 99%
Filters	Particles, sintered, coalescent
Pump	Automatic (6 l/min)
Display	TFT Color
Power Supply	220 VAC – 50 Hz
Enclosure	Metal
Mounted	Wall mounting
Dimensions	80 cm x 80 cm x 30 cm

