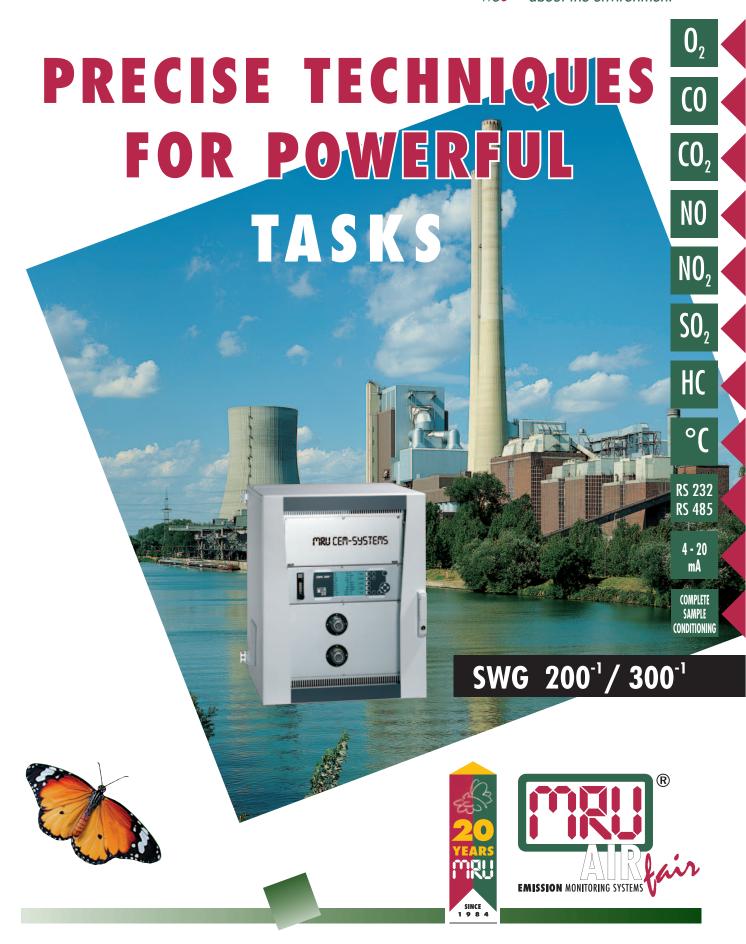
CONTINUOUS EMISSION MONITORING

We about the environment





SWG 300⁻¹ CEM SYSTEM

Continous Emission Monitoring

system for environmental

measurement technology

- designed to solve your particular measuring problems
- based on standard extractive method for flue gas analysis
- complete, integrated gas sample conditioning system with:
 - gas sampling probe with easy access heated filter and automatic backpurging
 - heated sample line, temperature regulated
 - gas cooler with automatic condensate draining
 - gas sample flow rate monitoring
- combines non dispersive infrared technology sensor modules for CO, CO2, NO, SO2 and HC
- with long-life electrochemical sensor ZrO, or paramagnetic cell for O, and catalytic converter for NO,
- complete diagnosis of system components
- auto-zero adjustment
- automatic calibration by means of calibration gas cylinders
- complete analysis system installed on site
- easy operation via menu guided software, integrated keypad and large, backlit LCD





SWG 300⁻¹ is designed for the use in almost every industry sectors like:

- cement
- petrochemical
- power plants
- iron & steel
- large boilers, process heaters
- glass treating
- gas compression engines
- others







Heavy duty gas sampling probe with heated ceramic filter with backpurging and heated sample line

Backlit LCD

Flow meter

Keypad

Particle filter

Particle filter

Customized design of analysis system

0,	0 - 25 %	paramagnetic sensor
O ₂	0 - 25 %	ZrO ₂ -sensor
O ₂	0 - 25 %	electrochemical sensor
CO ₂	0 - 20 %	NDIR bench

Flue gas

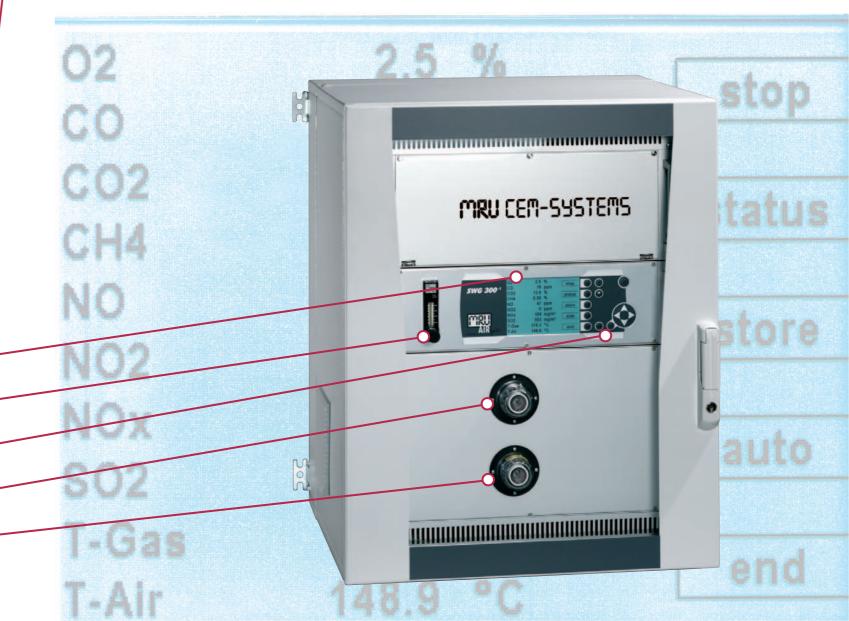
temperature

up to 1.700°C

min. range CO 0 - 100 ppm NO 0 - 200 ppm SO ₂ 0 - 100 ppm CO ₂ 0 - 5 % HC 0 - 100 ppm	max. range 0 - 4.000 ppm 0 - 4.000 ppm 0 - 4.000 ppm 0 - 20 % 0 - 5.000 ppm	NDIR bench
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(other measuring ranges on request)

- choice of flue gas sampling probe
- heavy duty probe HD with heated filter, backpurging and heated sample line
- low dust gas sampling probe LD, non heated
- complete sample gas conditioner inside analyzer
- 8 channels analog outputs 4 20 mA
- local, backlit LCD
- flue gas temperature (up to 1.700°C) and combustion air temperature measurement with comprehensive environmental and combustion calculation
- RS 485 interface for long distance data transfer
- PC based software for data aguisition and evaluation
- weatherproof shelter with air conditioning (option)
- dust monitor or flue gas flow measurement on request



We**chrl**about the environment

SWG 200⁻¹ flue gas analysis for process gas and environmental measuring applications



- designed to solve your particular measuring problems
- based on standard extractive method
- complete gas sample conditioning system with:
 - gas sampling probe
 - gas cooler with automatic condensate draining
- combines non dispersive infrared technology sensor modules (CO₂, HC CO)
- with long-life electrochemical sensors (O₂, CO, NO NO₂)
- flue gas analysis, customized designed for

- complete diagnosis of system components
- auto-zero adjustment
- complete analysis system installed on site
- easy operation via menu guided software and backlit LCD
- environmental and combustion calculations with temperature measurement and a large list of programmed fuels

O ₂	0 - 21 %	electrochemical	
CO	0 - 10.000 ppm		
NO	0 - 4.000 ppm	sensor module	
NO.	0 - 1.000 ppm		

- CO CO₂ HC
- min. range max. range 0 -1.000 ppm 0 - 50 % NDIR 0 - 5 % 0 - 50 % bench 0 - 5.000 ppm 0 - 50 %

(other measuring ranges on request)

- choice of flue gas sampling probe
 - lowdust gas sampling probe LD, non heated
 - heavy duty probe with heated filter HD, with backpurging
- complete sample gas conditioner integrated
- digital interface RS 485
- analog outputs 4 20 mA
- local, backlit LCD

Gas sampling probe LD for

flue gas temperature up to 900°C.

- flue gas temperature (up to 1.700°C) and combustion air temperature measurement
- PC based software for data aquisition and evaluation





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