

Continuous Emission Monitoring System (CEMS)

Online Stack Gas Monitoring System
Model : SE 4000 Series



Water & Air

SO₂, NO_x, CO, CO₂, O₂, NH₃, CL₂, HCL, HF, TOC/THC/VOC

Applications

- ▶ Steam boilers
- ▶ Iron and steel processing
- ▶ Refuse incinerators
- ▶ Electric power generation plants
- ▶ Sulfuric acid plants
- ▶ Glass furnaces
- ▶ Chemical Plants



Suspended Particulate Matter (SPM)



Applications

- Filter Failure Alarms, Process Control Monitor
- Cogeneration Power plants
- Ferrous & Non Ferrous metal Processing Unit
- Cement Plants & Silos, Petrochemical, Pharma
- Boilers & Incinerators Paper Plants etc.

Gas Library for CEMS & SPM

Continuous Emission Monitoring System (CEMS) :

No.	Parameter	Range	Unit	Technology					
				EC ●	NDIR ▲	UV-DO AS ●	TDLS ■	ZIRCONIA ★	PID ■
1	O2	0 - 21	%	●	▲			★	
2	O3	0 - 20	ppm	●					
3	SO2	0 - 100	ppm	●	▲	●			
	SO2	0 - 200	ppm	●	▲	●			
	SO2	0 - 2000	ppm	●	▲	●			
4	NO	0 - 1000	ppm	●	▲	●			
	NO	0 - 2000	ppm	●	▲	●			
	NO	0 - 5000	ppm		▲	●			
5	NO2	0 - 200	ppm	●	▲	●			
	CO	0 - 1000	ppm	●	▲	●			
	CO	0 - 2000	ppm	●	▲	●			
	CO	0 - 5000	ppm	●	▲	●			
6	CO2	0 - 5000	ppm		▲	●			
	CO2	0 - 5	%		▲	●			
7	HCl	0 - 100	ppm	●	▲	●	■		
8	Cl2	0 - 20	ppm	●			■		
9	NH3	0 - 100	ppm	●			■		
10	H2S	0 - 500	ppm	●		●			
	H2S	0 - 2000	ppm	●		●			
	H2S	0 - 1000	ppm	●		●			
11	VOC	1 - 200	ppm						■

Suspended Particulate Matter (SPM) :

No.	Parameter	Range	Unit	Technology		
				TRIBO - Electric ★	Laser back scattered ★	Opacity ★
1	SPM	0 - 1000	mg/mm3	★	★	★



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