

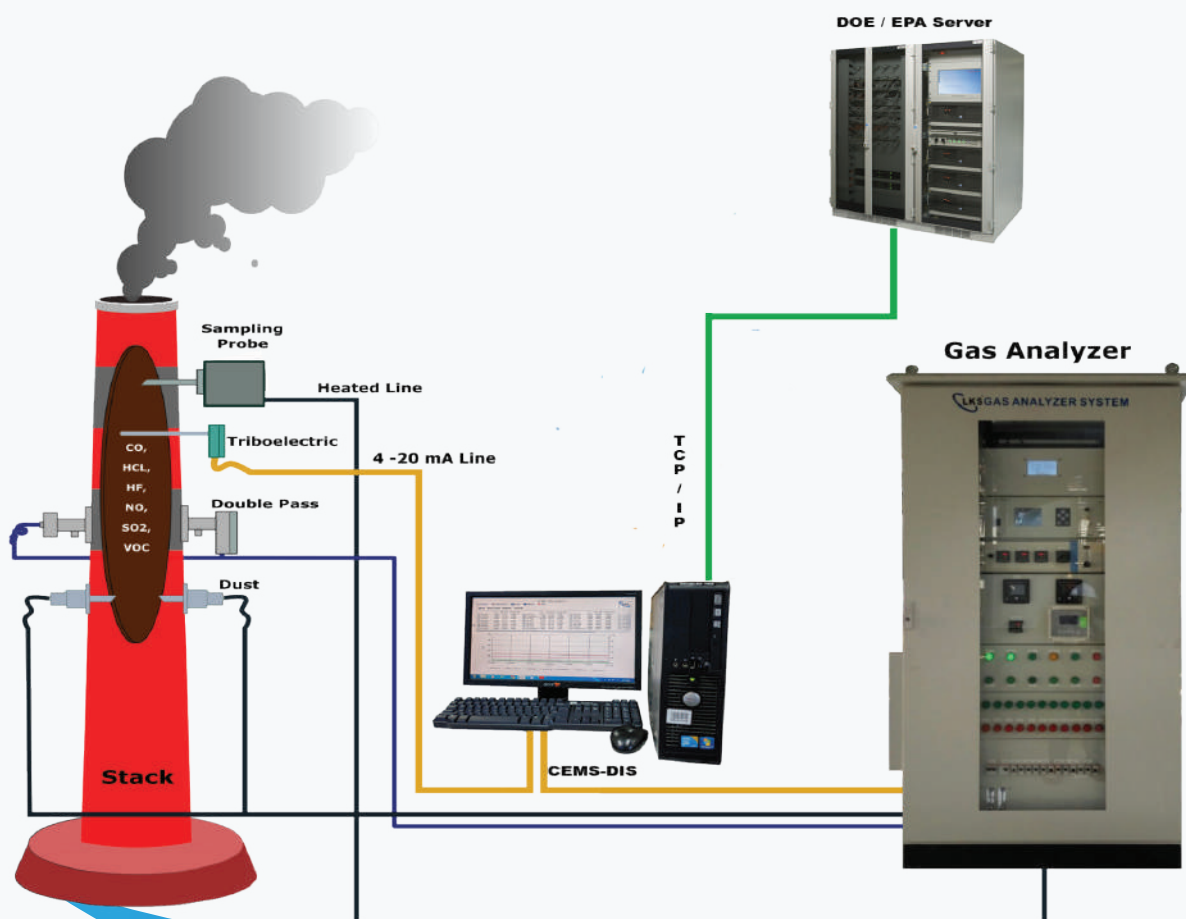


Your Automation Partner

# CEMS - Waste Incinerator

Type of CEMS Analyzer

- Extractive Gas Analyzers
- Insitu Gas Analyzer
- Particulate In-Situ Analyzer



LKS (M) SDN BHD  
Email : [info@lkssb.com.my](mailto:info@lkssb.com.my)  
Website : [www.lkssb.net](http://www.lkssb.net)

## Emission Limit Value for some of the source sector required CEMS

Source Activity	Pollutants	Limit Value (mg/m <sup>3</sup> )
Waste Incinerators (All Sizes)	Total PM	100
	NMVOC as Total C	10
	Hydrogen Chloride (HCl)	40
	Hydrogen fluoride (HF)	1
	SO <sub>2</sub>	50
	NO <sub>2</sub>	200
	CO	50

### DOE / EPA Requirements

- Listed appointed and approve company in DOE / EPA website
- TUV / MCERT Certificate
- Data Acquisition System (DAS)
- Data Interface System (DIS)

### Gas & Dust Analyzer Working Principle

Parameter	Principle	Sampling Type
Sulphur Dioxide (SO <sub>2</sub> )	NDIR, NDUV, GFC, FTIR, PAS, Fluorescence	Extractive
	DOAS, GFC, FTIR	Insitu
Nitrogen Dioxide (NO <sub>2</sub> )	NDUV, PAS, Fluorescence	Extractive
	DOAS	Insitu
Carbon Monoxide (CO)	NDIR, GFC, FTIR, PAS,	Extractive
	DOAS, GFC, FTIR, TLD	Insitu
Non Methane Volatile Organic Compounds (NMVOC)	PAS	Extractive
	DOAS	Insitu
Hydrogen Chloride (HCl)	FTIR, PAS	Extractive
	DOAS, FTIR, TLD	Insitu
Hydrogen Fluoride (HF)	FTIR, PAS	Extractive
	DOAS, FTIR, TLD	Insitu
Total PM / Dust	Light Scatter	Extractive
	Beta Absorption	
	Transmissionmetry / Triboelectric Double Pass, Single Pass	Insitu