

Unlock Energy Efficiency and Emission Reduction with Our Solution

LGA CO / O₂ Flue Gas Analyzer

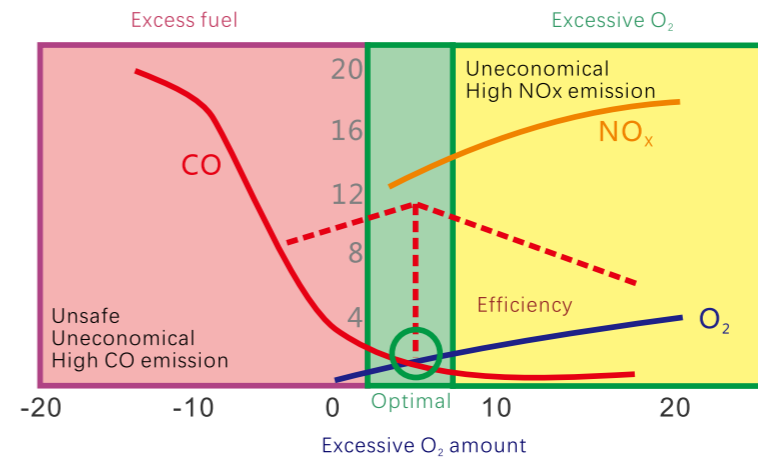
Installed in the flue duct after the economizer, it measures the carbon monoxide and oxygen content in real-time



Technical Specification

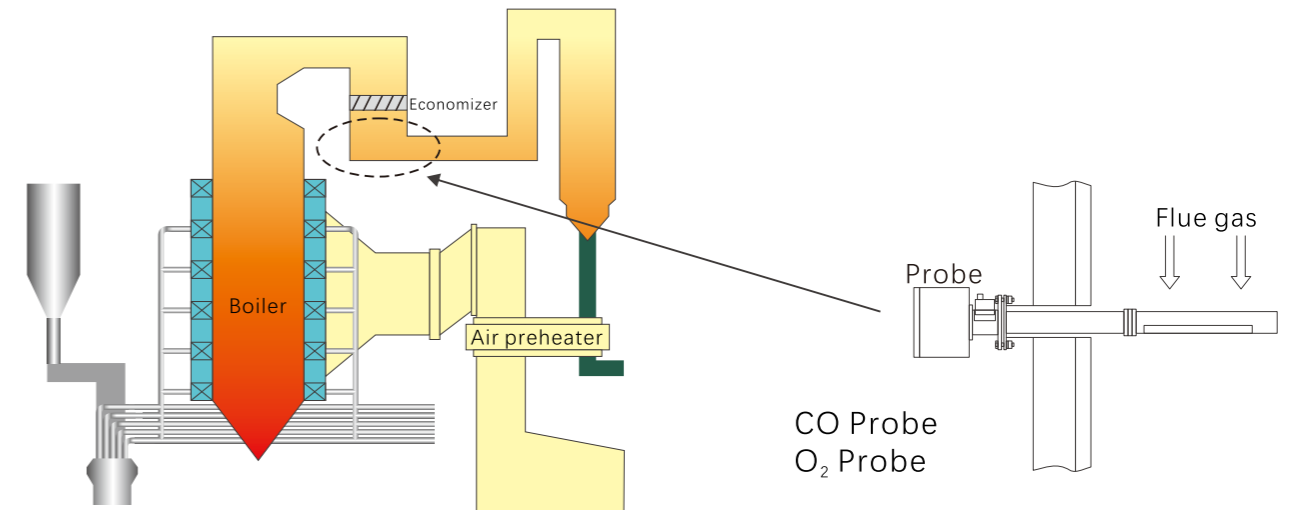
Probe	Integrated In-situ probe with closed cavity		
Measuring Range	CO	O ₂	
	0~1000 μmol/mol	0~5000 μmol/mol	0~10.0 %
Resolution	0.01 μmol/mol		
Linear Deviation	≤ ±2 % F.S		
Display	OLED display		
Probe Operating Temp.	250~450°C		
Data Signal	4~20 mA		

Boiler CO and O₂ Emission Monitoring: The Cornerstone of Energy Conservation and Emissions Reduction



- ▲ The low-nitrogen retrofit of coal-fired boilers, which aims to reduce nitrogen oxide (NO_x) emissions, often involves a trade-off with combustion efficiency. Carbon monoxide (CO) is a direct indicator of combustion efficiency in this context.
- ▲ Balancing the reduction of NO_x emissions while ensuring complete combustion requires precise control of oxygen levels (O₂) in the combustion process.

Post-Economizer Installation: Monitoring CO and O₂ Levels in Flue Gas Simultaneously



Features

- Real-time**
In-situ monitoring with swift responsiveness.
- Accurate**
Laser detection technology, unaffected by interfering gases, temperature, and pressure.
- Maintenance free**
Patented gas pathway and dust-proof design, effectively preventing dust blockage.
- Long lifespan**
Over 5-year sensor lifespan and 1-year calibration period.