## Features
- NEMA 4 or 4X (48” x 36” x 16”) climate-controlled enclosure
- Up to 5 gases: CO, CO$_2$, O$_2$, NO$_x$, SO$_2$
- Sample conditioning system delivers clean, dry sample gas stream to analyzers
- Optional internal sample pump available

## Applications
- Boiler monitoring
- Continuous emissions monitoring
- Combustion efficiency
- Process control

## Description
The CAI Gas Analysis System can monitor up to five gases: CO, CO$_2$, O$_2$, NO$_x$, and SO$_2$. The analytical equipment is contained in an air-conditioned and heated NEMA 4 or 4X enclosure with connections for calibration and sample gases and exhaust. Standard automatic calibration allows the Gas Analysis System to operate without operator intervention. Outputs include voltage, isolated 4-20mA and RS-482 Modbus.

### The Gas Analysis System also contains:
- Sample conditioning system for removal of water
- Peristaltic pump for liquid condensate removal
- Sample pump
- Flow meters and pressure regulators for sample and calibration gas control
- Solenoid valves for automatic calibration.
- A water sensor shuts the system down in event of a water breakthrough.