

BOILER



ANALYTICAL MODULE

MONITORING

- NEMA 4 or 4X (48" x 36" x 16") Climate Controlled Enclosure
- Specifically Designed for Coal Fired Applications
- Analytical Modules for CO, CO₂, O₂ NO_x
- Utilizes Infrared, Chemiluminescent, Paramagnetic and Chemical Cell Technologies
- Sample Conditioning Module Provides Clean, Dry Sample Gas Stream to Analyzers at a Dewpoint of -30° C
- Available Sample Probe with Heated Filter and Blowback, Withstands Sample Temperatures of up to 600° F

DESCRIPTION

The Analytical Module contains CO, O₂ and optional CO₂ analyzers in an air conditioned NEMA 4 or 4X enclosure with connections for calibration and sample gases and exhaust. A separate Analytical Module for NO_x is also available. Standard automatic calibration allows the System to operate without Operator Intervention. Outputs include voltage, isolated 4-20 mA, RS 232, TCP/IP and Modbus.

The Sample Conditioning Module is also in a NEMA 4 or 4X air conditioned enclosure and contains a freezer chiller capable of achieving a dew point of -30° C which is essential for removal of damaging acid gases in the sample. Also included is a peristaltic pump for condensate removal, sample pump, flow meters for sample and calibration gas control, solenoid valves for automatic calibration, pressure regulator and alarm for calibration gas, a water sensor which shuts the System down in event of breakthrough.

An optional heated sample probe with SS probe tube can withstand temperatures up to 600° F. An easily accessible filter is located in the probe enclosure. Programmable probe blowback capability keeps the probe tube clog free.



SAMPLE CONDITIONING MODULE



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