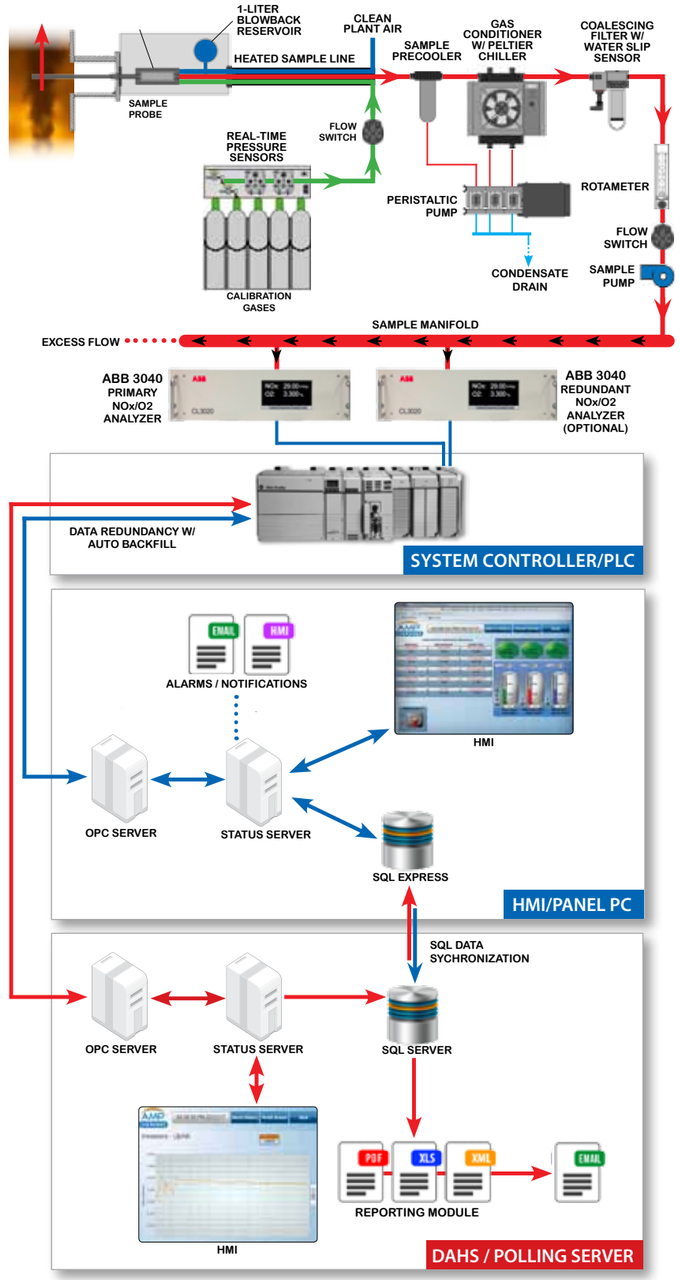
MiniCEMS® SYSTEM FLOW SCHEMATIC



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NOx
SO2
CO
CO2
O2
THC

MiniCEMS™

COMPACT CONTINUOUS EMISSIONS MONITORING SYSTEM
FOR EMISSIONS COMPLIANCE AND PROCESS MEASUREMENT

PERMANENT | TEMPORARY | PROCESS MONITORING

www.ampcherokee.com

MiniCEMS®

NOx / SO2 / CO / CO2 / O2 / THC Systems

AMP-Cherokee's MiniCEMS® is a climate controlled, full-featured walk-up CEMS for monitoring nitrogen oxides, sulfur dioxide, carbon monoxide, carbon dioxide, oxygen and total hydrocarbons -- ideal for 40 CFR 60 Subpart Db applications requiring emissions monitoring of gas and oil combustion sources.

For applications that do not require a walk-in shelter, the climate-controlled MiniCEMS® enclosure can be located anywhere in the plant as a temporary or as a permanent monitoring solution.

Open Architecture DAS. HMI Network Connectivity.

Our open architecture DAS ProLogix™ data acquisition and reporting software combined withour HMI Network Interface and Allen-Bradley® PLC control all facets of the CEMS and provide network connectivity and remote operation.

Permanent, Temporary or Process Monitoring

MiniCEMS® is the most flexible solution for any monitoring protocol - from permanent emissions monitoring to process test applications. It can be populated with a wide variety of popular gas analyzers and controllers for quick installation and simple operation.

EXTERIOR FRONT

INTERIOR FRONT

INTERIOR REAR

HMI Network Interface
The touchscreen HMI/Panel PC interface and Allen-Bradley PLC system controller combine to provide the operator unparalleled system control and network connectivity.

The NEMA4 walk-up shelter design is weatherpoof when sealed and transportable to any suitable location in your plant.

Gas Analyzer & Controller Options
MiniCEMS® is available with a wide selection of popular discrete analyzers.

Up to three analyzers (six parameters monitored) can be integrated for your monitoring requirements.

Gas Sampling & Conditioning
MiniCEMS® contains all the sampling and conditioning controls of a full scale CEMS with easy maintenance and easy access to all maintenance items.

INTEGRATION PARTNERS

TELEDYNE ADVANCED POLLUTION INSTRUMENTATION
A Teledyne Technologies Company
ABB · CAI · Brand Gaus · Universal Analyzers · M&C · DURAG · KURZ Instruments Inc. · Buhler Technologies · AMETEK · Allen-Bradley · Clayborn

DAS ProLogix™

Open Architecture | SCADA Ready | Data Redundancy | Data Auto-Restore

DAS ProLogix™ delivers real time data and alarms over your Ethernet/IP networks for the highest system visibility available.

Two levels of Data Redundancy and our Data Auto-Restore feature assure data integrity in the event of power loss or system interruptions.

PLC System Controller

DAS ProLogix™ utilizes an Allen-Bradley® PLC system controller for transferring data to plant operators.

Networking is available through Ethernet/IP, Modbus (TCP, RTU, Serial), Profibus and HART protocols.

Open DAS Architecture
Microsoft® SQL Database
SCADA Drag & Drop Development

Through its open architecture, the ProLogix Data Acquisition System (DAS) collects emissions and process data and stores it in both a primary and redundant Microsoft® SQL database.

Data Redundancy. Notifications. Alarms.

DAS ProLogix™ offers two levels of data redundancy at both the Panel PC and polling computer.

Addressable locations on your network can be assigned to receive current status, scheduled reports and system alarms and notifications - on or off the network.

Data Auto-Restore Feature

In the event of a loss of communication with the client network, data can be stored on the optional Panel PC. When communications are reestablished, any data gaps are automatically restored (Auto-Restore) on the client network.