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DataStak™ **Emissions & Efficiency** **Monitoring System**

In today's marketplace, energy and facility engineers not only want to know the emissions, efficiency, and carbon footprint of their boilers, but many need to know this information for reporting purposes. Nationwide Boiler designed the DataStak™ Monitoring System to provide real-time, unified data at your fingertips, from one convenient, on-site source. Utilizing cost effective electrochemical cells, the small in size, yet very skillful analyzer is an attractive alternative to large and expensive intricate CEMS systems.

The DataStak™ is more than just a combustion or NOx analyzer. It is a cost effective, packaged emissions and efficiency monitoring system with O₂, NOx, CO, and CO₂ measurements in addition to real time boiler efficiency, fuel usage, and carbon footprint calculations.

The system incorporates common industry standard components, including an Allen-Bradley PLC with simple and user friendly touch screen operation. Alarms can be configured for high emissions, high stack temperature, O₂ or combustion air/fuel ratio problems, and other issues prone to occur. It can be easily retrofitted to any brand boiler, and the outage required for installation is only hours.



Features and Benefits of the **DataStak™ Monitoring System**

- Cost effective stack monitoring system
- Utilizes an Allen-Bradley CompactLogix PLC
- May eliminate 3rd party monthly monitoring service
- Can be retrofitted to any brand of boiler
- Works independently – does not change or need to interface with existing boiler controls
- Simple and user friendly graphical touch screen operation
- Very low maintenance
- Competitively priced sensors
- NEMA 4 & UL508 operator interface panel
- Emissions monitoring equipment made to ISO standards
- Meets ASTM D6522-00(2005) standard



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