



# CEMS

## Continuous Emissions Monitoring Systems

### Data Accuracy to Ensure Compliance

Continuous emissions monitoring (CEM) is instrumental in ensuring that mandated reductions of emissions is achieved. CEM is the continuous measurement of pollutants emitted into the atmosphere in exhaust gases from combustion or industrial processes.

No other company offers state-of-the-art CEM systems and analyzers, and backs it with the same level of outstanding support, as Campbell-Sevey. We help you to maintain the data accuracy and up-time that is required for compliance with federal, state and local regulations.

### One Source For Everything

With 100's of CEMS installations in the field, Campbell-Sevey combines the expertise and field-tested technologies with the most reliable sample conditioning and extraction systems in the industry, providing you superior measurement accuracy and repeatability. Designed in consideration of CEM regulations as specified in clean air laws, including U.S EPA 40 CFR Part 75 and 40 CFR Part 60, we help you meet data reporting requirements, maintain emissions compliance, and ensure certification and compliance with your local and national regulatory agencies.



### CEMS Solutions

Campbell-Sevey provides you one source for everything from support systems to training, preventative maintenance and replacement of Teledyne Monitor Labs (TML) parts and upgrades. Since we have partnered with TML since 1975, we have design experts backing us up in solving even the most difficult problems.

Our cost-effective CEMS solutions monitor stack gases for regulatory compliance. They perform required daily zero and span checks automatically saving time and reducing costs while meeting the environmental requirements for daily validation.

**Call (952)935-2345 for more information.**



### Typical Components Monitored

- Sulfur Dioxide (SO<sub>2</sub>)
- Nitric Oxide (NO)
- Nitric Dioxide (NO<sub>2</sub>)
- Carbon Dioxide (CO<sub>2</sub>)
- Oxygen (O<sub>2</sub>)
- Carbon Monoxide (CO)
- Hydrogen Sulfide (H<sub>2</sub>S)
- Opacity
- Flow

### Service Offerings

- Preventative Maintenance Programs and Emergency Service
- CEM On-Call Service, including third party CEMS
- Performance Certification
- RegPerfect DAHS Sales and Service
- Installation Assistance and Start-up
- Upgrades to meet new Regulatory Requirements
- Factory Repair

**Our 24 Hour CEMS Support Call Center – 952-240-2006**

# Eliminate CEM System Downtime

## Audits, Repair & Preventative Maintenance

Some plants hire firms that are qualified to do audits, but are unable or untrained in instrument repairs. They simply cannot correct problems or perform preventative maintenance routines to ensure that the instrumentation passes the next audit test.

Fortunately, the solution to this problem is simple - hire Campbell-Sevey. We have the training and expertise to:

1. Correctly perform the audit procedures for your system
2. AND the expertise to repair any instrumentation if the audit does not pass
3. AND can perform the proper preventative maintenance on your system to ensure continued, proper performance

The Campbell-Sevey team can do all three of these items in just one visit. Give us a call to discuss your auditing needs.

## Proactive Maintenance Contracts

Campbell-Sevey offers regularly scheduled maintenance checks and maintenance contracts to assure you the highest possible level of continued accuracy and up-time in your measurement systems.

Contact us for details: (952) 935-2345  
[info@campbell-sevey.com](mailto:info@campbell-sevey.com)

## Teledyne Monitor Labs Ultraflow 150 Ultrasonic Gas Flow and Temperature Monitor



State-of-the-art signal processing and innovative modularity offers customers incomparable performance, accuracy, flexibility and the most maintenance-free solution amongst all flow technologies.

## Product Lines We Carry

Hot Water Boilers  
Watertube Steam Boilers  
Firetube Steam Boilers  
Deaerators  
Heat Recovery Steam Generators (HRSG's)  
Automatic Recirculation Valves  
Economizers  
Gas-Fired Water Heaters  
Gas-Fired Humidifiers  
Boiler/Generator Flue Stacks  
Continuous Emissions Monitors (CEMS)  
Pressure Reducing Valves  
Safety and Relief Valves  
Control Valves  
Check Valves  
Pressure Independent Control Valves  
Expansion Joints, Guides, Anchors  
Flash Tanks  
Balancing Valves  
Custom ASME Pressure Vessels  
Separators  
Pumps  
Pressure Booster Systems  
Piston Valves  
Flow Meters  
Heating/Cooling Coils  
Plate and Frame Heat Exchangers  
Shell and Tube Exchangers  
Water Heaters  
Steam Humidifiers  
Vacuum Systems  
Condensers  
Steam Traps  
Wireless Steam Trap Monitors  
Tube Bundles  
Direct Gas-Fired Space Heaters  
Direct Gas-Fired Make-Up Air Units  
Unit Heaters  
Strainers  
Air Vents  
Liquid Drainers  
Heat Transfer Packages  
Digital Water Mixing Valves  
Air Cooled Condensers/Dry Coolers  
Steam Filters  
Electric Condensate Pumps  
Steam/Air-Powered Condensate Pumps  
Packaged Condensate Pump Skids

## Contact Us for All Your Steam, Air and Water System Needs



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