

## CEMS ANALYZERS

Analyzers For Upgrades & Replacements



Monitoring Solutions is proud to offer a complete line of CEMS analyzers for upgrades and replacements. For both dilution and extraction systems, we offer analyzers for the most common CEMS gases including: NO<sub>x</sub>, SO<sub>2</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, THC, NH<sub>3</sub>, and more.

Let Monitoring Solutions help you upgrade your CEMS. We can help pick the best analyzer for your specific application. We offer analyzers from the following manufacturers:



*Other analyzers are available upon request (different gases and different manufacturers)*

### ***The Monitoring Solutions Advantage:***

Why buy from us? You won't pay any more buying an analyzer from us versus the manufacturer, and you'll get a whole lot more:

- Engineering assistance to make sure you get the right analyzer for the right application
- Assistance with installation, start-up, and training
- A 24/7 Phone Support Contract for the first year at no cost to assist you as you get familiar with your new analyzer
- Complete after-sales support including both in-house and on-site repairs. Parts and consumables sales - stocked in our Indianapolis facility for quick turn-around.

#### APPLICATIONS

- > Extraction CEMS
- > Dilution CEMS
- > Process CEMS
- > Other Process Applications

#### FEATURES

- > Different Technologies for Different Gases: NO<sub>x</sub>, SO<sub>2</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, THC, NH<sub>3</sub>, and more
- > Chemiluminescence
- > Pulsed Fluorescence
- > NDIR
- > FTIR
- > FID
- > Zirconium Oxide

#### MONITORING SOLUTIONS

Complete source for all your Continuous Emissions Monitoring (CEMS) needs:

**Austin, TX | Indianapolis, IN |  
Pittsburgh, PA | Pensacola,  
FL | Casper, WY**

**Contact Us**

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512-250-7900**

## CEMS ANALYZERS

Analyzers for Upgrades & Replacements

Models	Gases	Technology
<b>Brand-Gaus</b>		
4705	O <sub>2</sub>	Zirconium Oxide
7705/7700	NO <sub>x</sub> – O <sub>2</sub>	Chemiluminescence & Zirconium Oxide
<b>California Analytical Instruments</b>		
700 (701, 702)	CO – CO <sub>2</sub> – CH <sub>4</sub> – SO <sub>2</sub> – O <sub>2</sub>	NDIR
700HFID	THC	FID
700MFID	THC, Methane/Non-methane	FID
700CLD	NO <sub>x</sub> – NO – NO <sub>2</sub>	Chemiluminescence
750 NOxygen	NO <sub>x</sub> – NO – NO <sub>2</sub> – O <sub>2</sub>	Chemiluminescence & Paramagnetic
700 FTIR	CO <sub>2</sub> – CO – NO – NO <sub>2</sub> – SO <sub>2</sub> – N <sub>2</sub> O – HCl –	FTIR
ZPA	CO – CO <sub>2</sub> – CH <sub>4</sub> – SO <sub>2</sub> – NO – O <sub>2</sub>	NDIR, fuel cell (for O <sub>2</sub> )
<b>Servomex</b>		
Servopro 1440	O <sub>2</sub>	Paramagnetic
<b>Thermo Scientific</b>		
42iQ/42iQHL/42iQLS	NO <sub>x</sub> – NO - NO <sub>2</sub>	Chemiluminescence
43iQ	SO <sub>2</sub>	Pulsed Fluorescence
48iQ	CO	Gas filter correlation
51i	THC	FID
60i	CO <sub>2</sub> – O <sub>2</sub> – SO <sub>2</sub> – NO <sub>x</sub> - NO – NO <sub>2</sub>	NDIR
410iQ	CO <sub>2</sub>	NDIR

### Abbreviation Key

CO – Carbon Monoxide	CO <sub>2</sub> – Carbon Dioxide	CH <sub>4</sub> - Methane
FID – Flame Ionization	FTIR - Fourier-transform infrared	HCl – Hydrogen Chloride
NDIR – Non-Dispersive Infrared	NH <sub>3</sub> - Ammonia	NO – Nitric Oxide
N <sub>2</sub> O – Nitrous Oxide	NO <sub>2</sub> – Nitrogen Dioxide	NO <sub>x</sub> – Oxides of Nitrogen
O <sub>2</sub> - Oxygen	SO <sub>2</sub> – Sulphur Dioxide	THC – Total Hydrocarbons

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