

CEMS ANALYZERS

ANALYZERS FOR UPGRADES AND 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_x, SO₂, CO, CO₂, O₂, THC, NH₃, 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:

Thermo
SCIENTIFIC

Brand **Gaus**

CAI

SERVOMEX

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_x, SO₂, CO, CO₂, O₂, THC, NH₃, and more
- > Chemiluminescence
- > Pulsed Fluorescence
- > NDIR
- > FTIR
- > FID
- > Zirconium Oxide

MONITORING SOLUTIONS

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

Philadelphia

Toll Free: 908-500-4010

Fax: 908-847-0411

Indianapolis

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Indianapolis, IN 46254

Phone: 317-856-9400

Fax: 317-856-9410

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Hampton, NJ 08827

Phone: 908-713-0172

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ANALYZERS FOR UPGRADES AND REPLACEMENTS

Models	Gases	Technology
Brand-Gaus		
4705	O ₂	Zirconium Oxide
7705/7700	NO _x – O ₂	Chemiluminescence & Zirconium Oxide
California Analytical Instruments		
700 (701, 702)	CO – CO ₂ – CH ₄ – SO ₂ – O ₂	NDIR
700HFID	THC	FID
700MFID	THC, Methane/Non-methane	FID
700CLD	NO _x – NO – NO ₂	Chemiluminescence
750 NOxygen	NO _x – NO – NO ₂ – O ₂	Chemiluminescence & Paramagnetic
700 FTIR	CO ₂ – CO – NO – NO ₂ – SO ₂ – N ₂ O – HCl – NH ₃ – CH ₄	FTIR
ZPA	CO – CO ₂ – CH ₄ – SO ₂ – NO – O ₂	NDIR, fuel cell (for O ₂)
Servomex		
Servopro 1440	O ₂	Paramagnetic
Thermo Scientific		
42iQ/42iQHL/42iQLS	NO _x – NO – NO ₂	Chemiluminescence
43iQ	SO ₂	Pulsed Fluorescence
48iQ	CO	Gas filter correlation
51i	THC	FID
60i	CO ₂ – O ₂ – SO ₂ – NO _x – NO – NO ₂	NDIR
410iQ	CO ₂	NDIR

Abbreviation Key

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

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