

## Model CE-440 Rapid Analysis Elemental Analyzer

carbon

hydrogen

nitrogen

oxygen

sulfur

Three inset images on the left side of the advertisement show industrial scenes: a refinery at night, a power plant, and a large industrial vessel.

**EAI**



## The CE-440. Made For Any Lab. Any Sample. Any Time.

Whether you are analyzing repeat samples, pharmaceutical, forensic gas, environmental, industrial or petroleum, monitoring for Carbon, Hydrogen, Nitrogen, Oxygen, and Sulfur, you can count on your CE-440's methods and manual mode. Built for speed for dependable results and maximum throughput. This is why you need the CE-440 General Analyzer.

The CE-440 uses thermal conductivity detection method for measuring carbon, hydrogen, and nitrogen-oxide combustion and oxidation. This method gives rapid and highly accurate measurements over a very wide range of elemental compositions, with most measurements completed in less than 1 minute. Customized methods CE-440 can sample and analyze gas effluents just through. The CE-440 also uses Windows® based software, with data storage, multi-channel, flexible report generation and maintenance-optimized, and automatic maintenance alerts, control and monitoring of most accessories. The single-operation for consistent operator to operator results, no matter what sample type you analyze. Plus, the built-in purge and nitrogen-oxidation, the CE-440 offers the lowest cost per sample to the industry.

For the CE-440-VI analyzer offering the top performance analysis, we invite you to consider the CE-440 for yourself.

### CE-440 Benefits

- Fast and easy to install and operate. (See also CE-440 manual)
- Single method used for all gas samples provides the highest level sample type, for consistent reliability.
- Analytical accuracy, repeatable, precise, fast response and superior precision and control.
- Windows® based software with data storage, for automatic updates and flexible report generation.
- Reduced sample volume means less handling, less solvent and sample cost.
- Consistent operation and reliable maintenance alerts.
- Low reagent consumption - results more cost per sample.

## Discover These Advantages

**Streamlined Workflow** The CE-MS provides a combination of integrated sample analysis. The complete control of collection, generation, analysis and continuous assessment of the analytical conditions, process ensures a high of accuracy and precision for accurate results.

**Flexibility** With its unique combination of both auto workflow collection, the CE-MS can analyze the widest range of sample types of any CE-MS system. The unique autosampler allows for auto load and unload of the sample tray and sample after analysis, enabling online operations, reduce effective sample flow volume, which can save with maintenance costs.

**Reliability** The CE-MS is fully covered CE-MS system analysis. The streamlined workflow for sample generation, generation through automatic collection, control tray, and injection features. Using the technique of continuous assessment of the sample flow conditions, process, the CE-MS automatically track results that go wrong and trigger system automatic adjustment to fix the system operation, and find online diagnosis.

Continuous diagnosis and automatic maintenance alerts make operation more convenient. By monitoring signals, voltage, and sample throughput, the continuous generation conditions data report an immediate message as well as regularly data distribution, user data generation, sample flow, and other information.

## Used for Selection To Reduce Costs and Simplifying the Workflow.

Working with these steps, combined with standard collection and online feedback system design allows for the overall workflow under becomes easy. The CE-MS is capable of analyzing the widest range of sample types - quickly, easily, and reliably. Typical applications include:

**Regulatory Measurements** The CE-MS can analyze chemical structure of organic, inorganic, organometallic, bioactive, biological, behavioral, genetic, polymer, synthetic and organophosphorus.

**Environmental** Determine the presence of lead, cad, and lead (specimens in the environment), to study the composition of chemical species in the environment and to investigate research, water quality, and air monitoring.

**Bioprocess** The CE-MS provides a fast, direct method for determining accurate composition of peptides, lipids, and lipids. This system will help with the analysis of the CE-MS for the widest range of sample types and accuracy.

**Substance** Monitor quality control and ensure quality control - even online with online generation (CE-MS).

**Multi-Phase Sample Analysis** Various and alternative measurement easily enabled with the CE-MS system using online.

**Other Applications** Various pharmaceutical applications, food, and production research.

Software for Automatic Data Analysis (Automated Data)



Sample ID	Concentration	Analysis Time
1	0.1	1.2
2	0.2	1.5
3	0.3	1.8
4	0.4	2.1
5	0.5	2.4
6	0.6	2.7
7	0.7	3.0
8	0.8	3.3
9	0.9	3.6
10	1.0	3.9
11	1.1	4.2
12	1.2	4.5
13	1.3	4.8
14	1.4	5.1
15	1.5	5.4
16	1.6	5.7
17	1.7	6.0
18	1.8	6.3
19	1.9	6.6
20	2.0	6.9



## Sample Handling

The CE-MS can handle a wide range of sample types and concentrations. The sample is automatically injected into the CE-MS system. The CE-MS system can handle a wide range of sample types and concentrations. The CE-MS system can handle a wide range of sample types and concentrations. The CE-MS system can handle a wide range of sample types and concentrations.

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