

Gas analysis and detection

Certify CO₂ with confidence and efficiency

MAX-Bev CO₂ Purity Monitoring System

Real-time analysis of beverage-grade CO₂ purity for quality assurance

Ensure the quality and safety of your carbonated beverages with the Thermo Scientific™ MAX-Bev™ CO₂ Purity Monitoring System. This system will help you achieve faster and easier carbon dioxide (CO₂) beverage-grade certification, meeting the standards set by the International Society of Beverage Technologists (ISBT) and the European Industrial Gases Association (EIGA).

Designed for demanding environments, the MAX-Bev System is a fully integrated, automated solution that provides fast and accurate results in a user-friendly and cost-effective package. Utilizing FTIR technology, it allows for simultaneous, precise measurements of CO₂ purity and the presence of over 20 impurities down to parts per billion (ppb) levels. This innovative technology eliminates the need for alternative analytical methods such as UV fluorescence, thereby reducing downtime, lowering ownership costs, and minimizing maintenance needs.

Explore this collection of resources to learn how integrating the MAX-Bev System into your beverage production can help you deliver the highest quality standards for consumer satisfaction and safety, while optimizing processes.



Discover the MAX-Bev System advantage

Find resources for beverage-grade CO₂ quality monitoring and certification



Watch animation 

Be certain in the sip

See how the MAX-Bev System verifies CO₂ purity



Watch video 

Creating “The Perfect Sip”

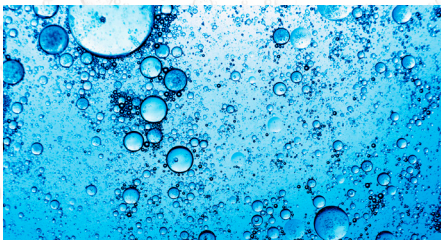
Watch an exclusive interview with Coca-Cola®'s QA Manager



Watch video 

An introduction to the MAX-Bev System

View for a quick overview of the system's operation



Watch video 



Read now 



Watch webinar 

A deeper dive into the MAX-Bev System

Explore the latest technology advancements

Coca-Cola Q&A

Learn how Coca-Cola's QA benefits from the MAX-Bev System

Real-time analysis of beverage-grade CO₂ purity

Gain insights into the system's capabilities



Read white paper 

Robust beverage-grade CO₂ purity analysis

Review experimental analysis and results

MAX-Bev



Service and support

Enjoy peace-of-mind and maximum uptime with top-notch customer service, technical support, and on-site support. Our comprehensive service programs are designed to quickly respond to your varied needs.

Application support

Connect with our experts to discuss your application challenges and get your questions answered. Together we will gather and analyze the necessary instrument data, schedule results reviews, recommend adjustments, and address your concerns and questions.

Training courses and webinars

Expand your knowledge and gain new skills by participating in our comprehensive training programs, webinars, and gas analyzer courses. These various programs are available remotely and in various locations around the world.

Join our community

Sign up to stay up-to-date on new products, application solutions, and upcoming events at thermofisher.com/joinourepmcommunity



MAX-Bev CO2 Purity
Monitoring System

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