

The background features a dark space filled with numerous thin, glowing lines in shades of blue and green. These lines curve and flow across the frame, creating a sense of motion and energy. Small, bright particles or dots are scattered throughout, particularly concentrated in the upper right quadrant, resembling a starry field or a data visualization.

CO₂ leak detection:
ensuring safety and
sustainability in
commercial refrigeration

SENSIRION

Monitor CO₂ leaks with our reliable sensor

The global commercial refrigeration industry is rapidly transitioning toward natural refrigerants, with CO₂ (R744) leading the way due to its ultra-low GWP. However, the high operating pressures and the risk of asphyxiation at high concentrations make reliable leak monitoring a critical safety requirement. As a leader in gas sensing with over 20 years of experience, we provide the expertise needed to secure sustainable cooling systems.

We offer reliable CO₂ sensors based on NDIR technology, engineered to deliver accuracy and stability. Designed for the demanding environments of commercial refrigeration, our sensors boast a 15+ years lifetime with zero maintenance required, ensuring long-term compliance and peace of mind without the burden of frequent recalibration. While primarily designed for commercial refrigeration (supermarkets, hypermarkets, and cold storage), our CO₂ detection solutions are also ideally suited for machine rooms, convenience stores, beverage & food processing, indoor agriculture and much more.

Maximum safety
with minimal total cost of ownership

Let's further discuss your needs:



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