

# Emission Monitoring Gas Standards

(Sulfur Dioxide SO<sub>2</sub>, Carbon Dioxide CO<sub>2</sub>, Methane CH<sub>4</sub>)

YIGAS INTERNATIONAL LIMITED

## 1. Overview

Emission monitoring gases are essential for calibration and environmental compliance. YIGAS provides high-accuracy SO<sub>2</sub>, CO<sub>2</sub>, and CH<sub>4</sub> mixtures for continuous emission monitoring systems (CEMS).

## 2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
SO <sub>2</sub>	≥99.9%	Gas	-10–50 °C	5–150 bar
CO <sub>2</sub>	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
CH <sub>4</sub>	≥99.999%	Gas	-161 °C	10–200 bar

## 3. Industrial Standards

All gases comply with:

- ISO 6142 – Gas mixture preparation
- EN 15267 – Air quality measurement systems
- EPA 40 CFR Part 75 – Emission compliance
- GB/T 3864–2020 – Gas identification and labeling

## 4. Applications

- SO<sub>2</sub>: Stack emission calibration
- CO<sub>2</sub>: Greenhouse gas monitoring
- CH<sub>4</sub>: Leak detection and CEMS calibration

## 5. Packaging & Supply

Cylinder • Tube Skid • ISO Tank

## 6. Contact Information

[www.yigasgroup.com](http://www.yigasgroup.com)

Address: Guangdong, China

© 2025 YIGAS INTERNATIONAL LIMITED – Industrial & Specialty Gas Solutions

*This document provides reference specifications for YIGAS emission monitoring gases. Customized supply and technical support are available upon request.*