

Emission Monitoring Gas Standards

(Sulfur Dioxide SO2, Carbon Dioxide CO2, Methane CH4)

YIGAS INTERNATIONAL LIMITED

1. Overview

Emission monitoring gases are essential for calibration and environmental compliance. YIGAS provides high-accuracy SO2, CO2, and CH4 mixtures for continuous emission monitoring systems (CEMS).

2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
SO2	≥99.9%	Gas	-10–50 °C	5–150 bar
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10–60 bar
CH4	≥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

- SO2: Stack emission calibration
- CO2: Greenhouse gas monitoring
- CH4: Leak detection and CEMS calibration

5. Packaging & Supply

Cylinder • Tube Skid • ISO Tank

6. Contact Information

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