



Marine Industry Solutions

Leaders in Specialty Gas Solutions

CAC
GAS&INSTRUMENTATION

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Maritime Continuous Emissions Monitoring Systems

International and national laws and regulations stipulate the exhaust gas emission limits within the marine industry. It is the responsibility of ship owners to ensure compliance with these environmental laws.

Continuous emissions monitoring systems (CEMS) are designed to prove compliance within the limits set by MARPOL Annex VI.

CAC GAS supplies the highest quality calibration gas used to calibrate these systems. With regulations constantly becoming more strict, it is imperative that emissions monitoring systems run without costly errors. Measurement data and precision depend on the quality and reliability of not just the CEMS but also the gas to calibrate them.

Marine emissions calibration gas accredited to ISO:17025

Marine emissions gravimetric calibration gas meeting NPL or NIST

Precision Analyser Solution

We offer a full line of high precision gas control equipment along with our MICRO300 Precision Regulator. All items are kept in stock for fast shipment.

The MICRO300 Precision Regulator, specially configured by CAC Gas & Instrumentation for highly-sensitive applications, is designed for customers who need the most accurate calibrations.

The MICRO300 features fully supported 'sensitive' pistons and a low internal volume to reduce wasted gas and minimise reactions. The regulator is available with or without SilcoNert® 2000 coating.



Gas Mixtures

Gas Control

Gas Generators



ISO 17025 Gas Mixtures

Gas Mixtures for all stack gas analyser manufacturers/for ship exhaust testing:

27ppm SO₂/ 5.50% CO₂ //N₂
40ppm SO₂/ 8%CO₂ // N₂
45ppm SO₂/ 9% CO₂ //N₂
45ppm SO₂/13.5% CO₂//N₂
90ppm SO₂/ 5.50% CO₂ //N₂
178ppm SO₂/9% CO₂ //N₂
178ppm SO₂/13.5% CO₂//N₂

270ppm NO/ 180 ppm NO₂ //N₂
445ppm SO₂/18%CO₂//N₂
450ppm SO₂/ 22.50% CO₂ //N₂
1350ppm NO/ 450ppm NO₂ //N₂
1800ppm SO₂/ 22.50% CO₂ //N₂
1800ppm NO/ 450ppm NO₂ //N₂
Other mixtures are available.

Calibration Gas & Specialty Mixtures for Gas Detection

Traceable, certified and ISO17025 accredited specialty gas mixtures are available in multiple cylinder sizes.

SO₂/ CO₂/ CO/ NO/ NO₂/ H₂S / CH₄/ O₂/ Ethanol

- Calibration Gas to meet Solas XI-Reg 7
- Butane / Isobutane Mixures
- 4GAS - H₂S/CO/CH₄/O₂

**STOCKING IN
SINGAPORE & SYDNEY**



Gas Mixtures

Gas Control

Gas Generators

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