



Automotive Emissions Systems



CAI has been providing both Standard Single-bay and Custom Designed Automotive Systems for over 40 years

Description

The California Analytical Emissions System has been designed to provide a compact emissions analysis system contained in a single bay, roll around cabinet that may be moved to various test sites as required.

This system will allow direct measurement of carbon monoxide, carbon dioxide, oxygen, total hydrocarbons and oxides of nitrogen using proven research grade gas analyzers. All analyzers are Federal Register compliant, ETL and CSA approved and meet U. S. EPA 40 CFR Part 1065 regulations.

The System will produce comparable test results to a Certification System for EPA 40 CFR Part 1065.

Features

- Compact Size—57" Tall x 32" Deep x 23" wide (30" with optional zero air generator)
- Heated FID Total Hydrocarbon Analyzer
- Heated Chemiluminescent NOx Analyzer (Dry)
- NDIR CO/CO₂ and Paramagnetic Oxygen Analyzer with sample conditioner
- NOW software - TCP/IP Communications
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- Control Panel Indicating Line Temperature and Chiller Temperature Control Status
- Optional On Board Zero Air Generator
- Optional THC Cutter for CH₄ Measurement
- Optional Wet/Dry NOx Measurement Valve

Applications

- Catalyst R & D
- Engine R & D
- Gasoline/Diesel Emissions Research
- Engine Mapping
- Transient and Steady-State Engine Test Facilities

California Analytical Instruments

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