



# SINGLE BAY EMISSIONS SYSTEM

*The Economical  
Solution for Vehicle  
and Engine Emission  
Analysis*



## 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.

## APPLICATIONS

- Catalyst R & D
- Engine R & D
- Gasoline/Diesel Emissions Research
- Engine Mapping

## FEATURES

- Heated FID Total Hydrocarbon Analyzer
- Heated Chemiluminescent NOx Analyzer
- NDIR CO<sub>2</sub> and Paramagnetic Oxygen
- NDIR Dual CO— Low and High Level
- On Board Computer and 17" Monitor With NOW Software
- TCP/IP Communications
- Control Panel Indicating Line Temperature and Chiller Temperature Control Status
- Sample Conditioner and Pump
- Includes 10 Feet of Heated Sample Line
- Optional THC Cutter for CH<sub>4</sub> Measurement
- Optional Wet/Dry NOx Measurement Valve
- Optional Zero Air Generator
- Optional SGD Gas Divider



## CONTROL PANEL

- THC Heated Line Temperature Control
- NOx Heated Line Temperature Control
- Chiller Temperature Control
- Filter Temperature Control
- THC and NOx Hot Pocket Temperature Control
- Connections for Calibration Gases/Optional Gas Divider
- System Flow and Pressure

## ANALYZERS

- Heated Total Hydrocarbon (FID)
- Heated Chemiluminescent NOx
- NDIR CO<sub>2</sub> and Paramagnetic O<sub>2</sub>
- NDIR Dual CO High and Low Level



## COMPUTER

- 17" Monitor
- Slide-out Drawer Containing Keyboard



1312 West Grove Avenue  
 Orange, CA 92865-4134  
 Phone: 714-974-5560 Fax: 714-921-2531  
[www.gasanalyzers.com](http://www.gasanalyzers.com)