

# Emissions Cart Sampling & Gaseous Analyzer Control with CyFlex

## Benefits:

1. Measurement quality assurance
2. Increased productivity through automation and integration

## Integration Highlights:

1. CyFlex supports gas analyzers from a variety of vendors.
2. CyFlex provides total gas analyzer system control and monitoring.

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## An Application

### Configuration of CyFlex

Responsive, high-quality emissions data collection is critical to developing optimal engine performance while meeting current and future



emissions regulations. CyFlex has been configured to interface with a variety of gas analyzers and emissions carts for data acquisition and control of this process. CyFlex configurations have included both local and remote control of instruments and carts for burst and continuous measuring of pollutants such as NO, NO<sub>x</sub>, CO, CO<sub>2</sub>, O<sub>2</sub>, SO<sub>2</sub>, THC & CH<sub>4</sub>.

CyFlex supports both steady state and transient gas emissions analyzer applications. In addition to retrieving gas measurements and providing control of the range of the analyzer, CyFlex supports automated calibration functions, pre- and post- test quality checks, and quality data retention.

Engineers can develop improved emissions controls and incorporate this information directly into their product development processes.



Nox/CO<sub>2</sub> Cart Automated with CyFlex

*CyberMetrix specializes in test cell, test stand and portable test solutions that empower the user with choices of features, functionality and pricing. At the core is CyFlex, a powerful, efficient and deterministic application suite with a wide range of capabilities.*

**Many Applications: One Application Suite:** engine steady state and transient performance, engine calibration, engine transient emissions, endurance, crank-angle resolved data collection & analysis, mini-dilution tunnel control & sampling, particulate emissions weighing & filter management, injector shot-to-shot variability, chassis dyno vehicle, control algorithm prototyping, turbo mapping & endurance, on-vehicle data logging.