CyberMetrix®

Single Cylinder Test Cell Modules –with CyFlex

Benefits:

1. Increased flexibility of existing test cells. Converts any multi-cylinder engine test cell for single cylinder testing.
2. Portable hardware and same software yields standard solution.

System Highlights:

1. Converts any cell to single cylinder test using portable support modules.
2. Distributed I/O on each module eliminating additions to in-cell instrumentation.
3. Modules provide extra utilities required testing up to 125hp single cylinder test.
4. Modules are compact allowing for operator movement and egress from cell in case of emergency.

Powered by CyFlex

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An Application Configuration of CyFlex

The I/O for this project was configured by CyberMetrix and integrated into each of the control modules. CyFlex software was configured to manage and control lube oil, coolant, intake air and exhaust supporting single cylinder engine testing with two pieces of equipment. The software deliveries included IO configuration, controls, monitoring, and safeties that are required to operate the equipment as well as test sequences used to verify the proper operation of the equipment. The software-related effort includes integration and validation both off-site and on.

Portable Lube and Coolant Unit

Portable Intake and Exhaust Unit with Cooled Exhaust Gas Recirculation

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