

PRODUCT INFORMATION

DynoLAB™ PT

ENGINE and
POWERTRAIN
Test Cell Controller

SAKOR

TECHNOLOGIES, INC.

TEST AUTOMATION • SYSTEMS INTEGRATION • PRODUCT INNOVATION

The Complete TEST CELL SUPERVISORY SYSTEM! Data acquisition and control designed for the testing environment.

Cost-Effective, Reliable Testing for . . .

- Drivetrain and Component Durability
- Catalyst Performance and Aging
- Exhaust and Evaporative Emissions
- Engineering and QC Validation
- Fuels and Lubricants.....and more!



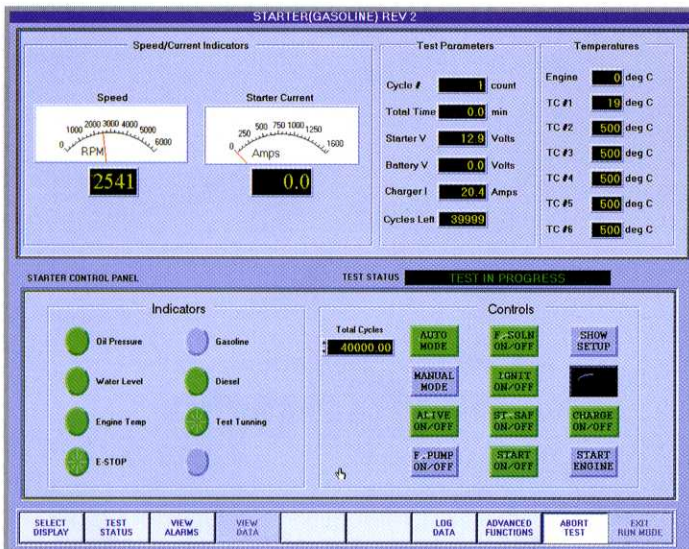
A true Test Cell Supervisor...

DynoLAB™ PT seamlessly integrates many external devices, including:

- Throttle/Dynamometer
- Spark & Fuel Controllers
- Cell Safety Systems
- Emissions Analyzers
- Driver's Aid Consoles
- Environmental Controls
- And many other "smart" I/O devices

Flexible I/O hardware configurations

- Modular design supports easy maintenance and expansion
- Control rates to 100 Hz
- Acquisition rates > 5 MHz
- Optional I/O configurations to match your needs for high density, high speed, or fully distributed I/O in any combination



LabVIEW® based software with easy-to-use, menu-driven interface. Create complex test sequences without complex programming.

Let us show you the power and utility of the **DynoLAB™ PT** system, and how you can save money on your test cell integration project. You won't be disappointed!

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The **DynoLAB™ PT** software is based upon National Instruments' LabVIEW®, and SAKOR's proprietary VISTACore™ (Virtual Instrumentation SysTem Architecture) technology. Through an easy-to-use, menu-driven interface, the operator easily commands advanced features including:

- **Extensible Driver Technology** – Readily accommodates new hardware and smart subsystems (i.e. Spark/Fuel controllers, Emissions analyzers, Driver's aids, etc.).
- **Dynamic Calibration** – Multi-point calibration of all channels. Interpolation and polynomial methods are supported.
- **Digital Signal Filtering** – Selective filtering capability results in optimal conditioning of noisy, or low level signals.
- **Complex Calculated Channels** – Unlimited channel number. Algebraic, trigonometric, exponential, and Boolean functions.
- **Menu-Defined Test Sequences** – Permits convenient definition of complex automated test sequences without the need to learn a programming language.
- **Enhanced Limit and Alarming** – Event-driven, multi-tasked operation. Complex actions can be assigned to each limit or alarm.
- **Closed-loop Control** – Multiple PID control loops. Real-time graphical interface makes tuning simple and intuitive.
- **Flexible Data Logging** – Any combination of the defined channels can be logged to printer or disk. Exportable to Excel®, Word®, HiQ®, MathCad®, and other Windows® compatible programs.
- **Remote Monitoring/Support Capability** – New remote monitoring/support capabilities allow SAKOR engineers to support your system via phone line or internet connection.

...TEST CELL INTEGRATION

SAKOR provides complete test cell specification, design, manufacture, and installation services. We also supply a full line of test cell accessories, including control consoles, enclosures, transducer panels, throttle actuators, and dynamometer controllers - tailored to each customer's specific requirements. Whether you are looking for a specific component, or a fully turnkey facility, SAKOR will deliver on budget, on time, every time!!!!

.....MORE ABOUT SAKOR

Since 1986, SAKOR has provided technical consulting, integration services, and product development assistance to major automotive manufacturers and component suppliers. Centrally located near Michigan's capital city, SAKOR readily serves the high-tech needs of Detroit's transportation industry.



SAKOR is pleased to be affiliated with National Instruments, Inc. as an Alliance Member. As such, we provide our customers with product and application expertise, as well as complete instrument solutions using the full range of NI hardware and software products.

SAKOR

TECHNOLOGIES, INC.

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