



CPS-2025

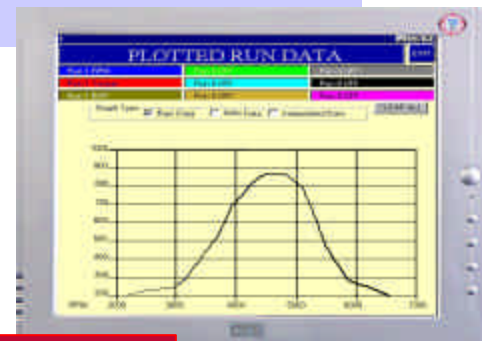
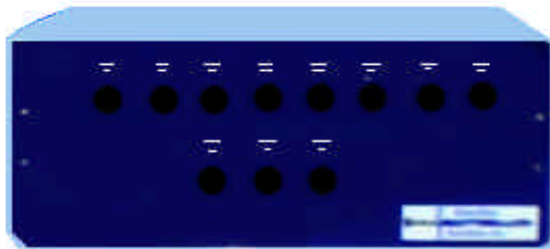
Combustion Pressure Sub-system

Why the CPS-2025 is Better

The CPS-2025 is engineered around a high performance data-acquisition sub-system running at 240,000 samples per second. This high sample rate allows CPS-2025 to Monitor Combustion pressures up to 10,000 RPM on a 8 Cylinder engine.

CPS-2025 Features

- 8 Channels of cylinder pressure.
- 10,000 RPM Capability
- Ideal for camshaft selection.
- Cycle sensor life expectancy is over a **BILLION** cycles.
- Cylinder Pressure captured at **EVERY** degree of crankshaft rotation.
- A must for optimal **camshaft tuning**.
- Unique optical Pressure sensors give higher RPM capability.
- Available with Cylinder pressure sensors or head mounted sensors . Sensors can be fitted in **any** customer specified spark plug.
- System alarms can be set to:
 - Show combustion occurring outside the expected window in the combustion cycle (detonation).
 - Show combustion cycles with low cylinder pressure.
- Some of the extensive reporting capabilities :
 - Up to 9 runs can be compared with up to 8 channels per run.
 - Cycles not matching high and low combustion limits.
 - Average of all channels per combustion cycle.
 - Average of all combustion cycles on a per cylinder basis.
 - Combustion pressures vs. RPM.
 - Examine both exhaust/intake and compression/combustion cycles.
- Available as a add-on to the DS-2025 or as a separate dedicated data acquisition sub-system.



Contact Us

Excalibur Solutions, Inc.
(800) 964-8571
www.esidyno.com

