

# ITS-2025

Ignition Timing sub-system

# Why the ITS-2025?

The ITS-2005 is engineered around a industry accepted high performance ignition system. This ignition is coupled to the DS-2005 to provide a integrated and automatic test environment.

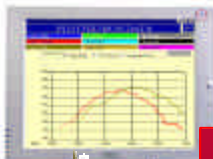
The ITS-2005 spark timing control system enables the computer to vary the spark timing during a 'pull'. During the run, the computer will vary the spark timing within the selected range to plot the optimal ignition curve to produce maximum horsepower. After the test is completed, the system will graph the optimal spark-timing curve. This curve can then be programmed into any of the on-board timing control computers readily available on the market.

## ITS-2005 Features

- Automatic Control of ignition timing during a run.
- Easily find the optimal timing curves for the engine under test
- All timing parameters tested in one pull, **no need to make extra pulls**. Don't kill the engine before delivery.
- Results from different ignition timings during a run stored separately for maximum flexibility.
- Results from each timing capture can be overlapped for comparison.
- Utilizes existing trigger source.
- The spark timing control system enables the computer to vary the spark timing during a 'pull' to produce maximum horsepower and to profile the detonation characterizes of the engine/fuel combination.
- Based on a industry accepted ignition system.
- Tightly integrated with the DS-2005.
- Multi-spark Ignition.

## ITS-2005 Specs

- Voltage Input: 11 - 18 Volts
- Current Draw: 8 amps@10,000 RPM
- Trigger: Points or Hall effect
- Maximum RPM: 15,000 Spark
- Duration: 20 Degrees (Multi-Spark to 3,300 rpm)
- Single Spark Output: 190 Millijoules
- Multi Spark Output: 2280 Millijoules
- Primary Voltage to Coil: 490-505 volts
- Reverse Polarity Protection
- Over-voltage Protection



## Contact Us

Excalibur Solutions, Inc.  
(800) 964-8571  
[www.esidyno.com](http://www.esidyno.com)

