

**Product Name :**  
Astra Scientific Spark Ignition System Trainer

**Product Code :**  
ThermalLab0016



**Description :**

Astra Scientific Spark Ignition System Trainer

**Technical Specification :**

The experimental test stand Waste-spark Ignition System Trainer is a training board used to teach the waste-spark electronic ignition system that is usually installed on some four-stroke cycle internal combustion engines. The distributor less trainer is mounted with OEM components. Requires a 12VDC power supply to operate.

A spark-ignition engine (SI engine) is an internal combustion engine, generally a petrol engine, where the combustion process of the air-fuel mixture is ignited by a spark from a spark plug. This is in contrast to compression-ignition engines, typically diesel engines, where the heat generated from compression together with the injection of fuel is enough to initiate the combustion process, without needing any external spark.

**FEATURES:**

- Ability to visualize the operation of a direct ignition system using coil-on-plug ignition technology
- Ability to test and verify a basic ignition circuit without distributor
- Four operational faults can be inserted to promote student diagnostic troubleshooting competencies

- Includes wiring schematics.
- Easily describe all of the components of the system that have been mounted together on a board.
- Actively troubleshoot faults that have been intentionally introduced in the connections.
- Educate about the whole wiring system by disassembling and assembling the various parts.
- Effortlessly use and display this model because of its compact and inclusive design

#### SPECIFICATIONS:

- Crankshaft position (CKP) sensor with gap adjustment
- Electric motor driven crankshaft sprocket
- Motor speed controller
- Ignition control module
- Spark plugs and plug wires
- Fault box with 4 faults
- Test points for diagnosis
- Requires a 12VDC power supply to operate



## Astra Scientific

www.astrascientific.com, Email: info@astrascientific.com

**Address:** K-88, 20th Street, Annanagar, Chennai, India – 600040 **Phone:** +91-8860605265