



## Model AM 180M

*Sci-tech* Automotive Ignition Systems Trainer Model AM 180M

### Feature

- The equipment allows to educate overall ignition systems such as composition and operation principles of various types of ignition systems.

- Compares the histories of 4 kinds of ignition systems to those of intake system, being practice training mode has educational function.
- Connection sockets are installed for each sensors, circuits and components so that it is able to help wiring practices and measure wave patterns.
- By manipulating the controller, able to check the waveforms in accordance with RPM speed.
- Students are able to understand flow of entire circuit, find out what causes fault and how to repair.
- The panel composing the ignition circuit is made with aluminum CNC-treated panel.
- Operated as automatic and manual selection by switch operating.

## Specification

### ■ Composition

- 1) Carburetor Point ignition circuit system
- 2) Suction type MPI, Kalman swirl system
- 3) Intake system MPI AFS
- 4) Intake system map sensor
- 5) Independent stand
- 6) 4 Kinds Ignition System

Optional: Hall electronic ignition system; Magnetic induction ignition system; Photoelectric sensing ignition system; Distributor less MPI ignition system; Distributor less independent ignition system.

## Experiment Possibilities

- Measure the waveforms and check the changes according to RPM speed.
- Engine operation : check the operation of the injector and sparks in the order of switch plugs (1, 3, 4, 2) and inspect whether normal operation of each sensor.

# Automotive Ignition Systems Trainer



- Failure code : the device allows to inspect failures on purpose.
- Sensor inspection : It is able to check failure by using variable simulation. (Variable RPM : 0 - 3000RPM)

*Specifications, Model Photos and design subject to changes without any notice*