Feature

- The equipment allows to educate overall ignition systems such as composition and operation principles of various types of CRDI injection system.
- It allows to check the overall CRDI system at a glance by attachment of parts, power and wiring terminal on the panel.
- Connection sockets are installed for each sensors, circuits and components so that 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.

Specification

- Composition
    - CRDI Diesel engine injection
    - Includes all components used in the CRDI injection
    - Displays fuel delivery cycle from tank to tube (tester) and all sensors related diesel injection circuit
    - Configuration: operation key, voltage display, LED indicators for failure, a fuse box for all parts of fuel pumps, fuel tank, ECU, an injector, a fan, a crank gear, the cam gear and the tester for displaying the fuel injection
    - Measure voltage of resistance and all of the sensor (camshaft sensor and the crankshaft sensor, oxygen sensor, the air inlet sensor, a temperature sensor, a water temperature sensor) by using multimeter
    - All circuits for the electronic control ECU
    - Sensor measurements: temperature sensor, oxygen sensor, air flow sensor, air temperature sensor, an engine temperature sensor, exhaust gas sensor, crank sensor and a cam sensor
    - power supply : 220V– DC12V
    - LED Fault indicate sensor can be measured by multimeter
    - Stand with wheel
- Auto Fault Function
- Cabinet Type storage space with 2 door
- Size : Approx. 1,300 X 600 X 1,600 mm
- Weight : Approx. 100 kg, key box

Training Contents

- 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.