

Product Information Sheet

Electronic Fuel Injection System (Wet)



This real component trainer provides the instructor with a working multi-point fuel injection system for group or whole-class demonstration.

This includes all the individual components of the system presented on a moveable, steel-frame panel with each component clearly identified.

The system comprises all the elements that control the air-fuel ratio and the ignition timing, together with the ECU and all the sensors associated with the control system. Variation of the engine speed will allow the measurement of parameters within the system that are speed dependent. This is achieved by changing the rotational speed of the electric motor that drives the unit.

This is a wet-running system and incorporates a fuel tank. The system also includes a range of switchable faults for diagnostics training.

This resource is supplied with a manual containing practical tasks and activities.

The trainer can also be used in conjunction with our optional cloud-based software, which offers online interactive theory presentations, investigations, and assessments, which link directly to the practical activities carried out using this resource.

The trainer offers the following practical demonstrations:

- Engine management system fundamentals
- The electronic control unit (ECU)
- Sensor circuits and components

- Sensor circuits and components – fault diagnosis
- Actuator circuits and components
- Actuator circuits and components – fault diagnosis
- Intake air temperature control systems
- Pressurized fuel systems
- Fuel injection components
- Fuel injector spray patterns
- Self-diagnosis and fault codes

Items Included:

- Trainer
- Practical activity manual

Other Items Required:

- White spirit (fuel substitute)
- Automotive workshop tools
- Battery (12V 44Ah)

General Information:

Trainer Dimensions (W x D x H):
1030 x 750 x 1920 mm / 41 x 30 x 76 inches

Packed Volume: Approx. 2.05m³ / 72ft³

Packed Weight: Approx. 190kg / 414lb

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The image shown is for illustrative purposes only – actual product may vary due to product enhancement.

Order Code: 767-02

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