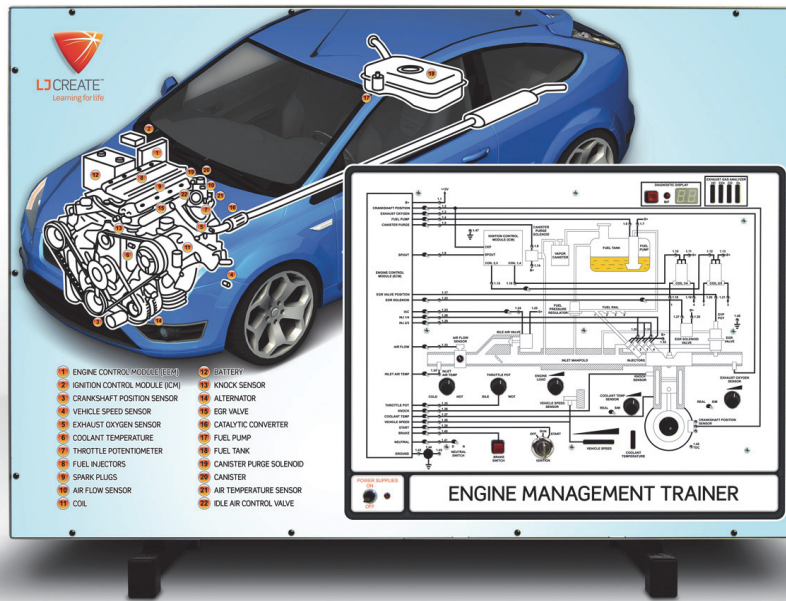


# Product Information Sheet

## Engine Management Systems Panel Trainer



This trainer provides students and instructors with the opportunity to demonstrate, investigate and fault-find a simulation of a typical automotive engine management system. The trainer is designed to allow access to a variety of test points for engine components and the ECU system, as well as provide an understanding of the overall system layout and configuration. To facilitate the development of techniques in diagnostics and fault-finding skills, the panel includes a range of fault-insertion options to simulate typical real-world system malfunctions.

This trainer includes access to digital curriculum materials including theory and practical learning tasks.

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

### Typical Practical Tasks Include:

- Engine management system fundamentals
- The Electronic Control Unit (ECU)
- Transducer circuits and components
- Transducer circuits and components – fault diagnosis
- Actuator circuits and components
- Actuator circuits and components – fault diagnosis
- The exhaust system
- Vehicle emissions
- Intake air temperature control systems
- Emission control
- Air-injection systems
- EGR systems
- EVAP systems

### Items Included:

- Trainer
- Curriculum in digital format
- Wall mounting brackets
- Bench stands
- Digital multimeter

### Other Items Required:

- Lab Scope

### General Information:

Trainer Dimensions: 900 x 170 x 600 mm (W, D, H)  
Packed Volume: Approx 0.316 m<sup>3</sup>  
Packed Weight: Approx 26 kg

**Order Code: 751-01**

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