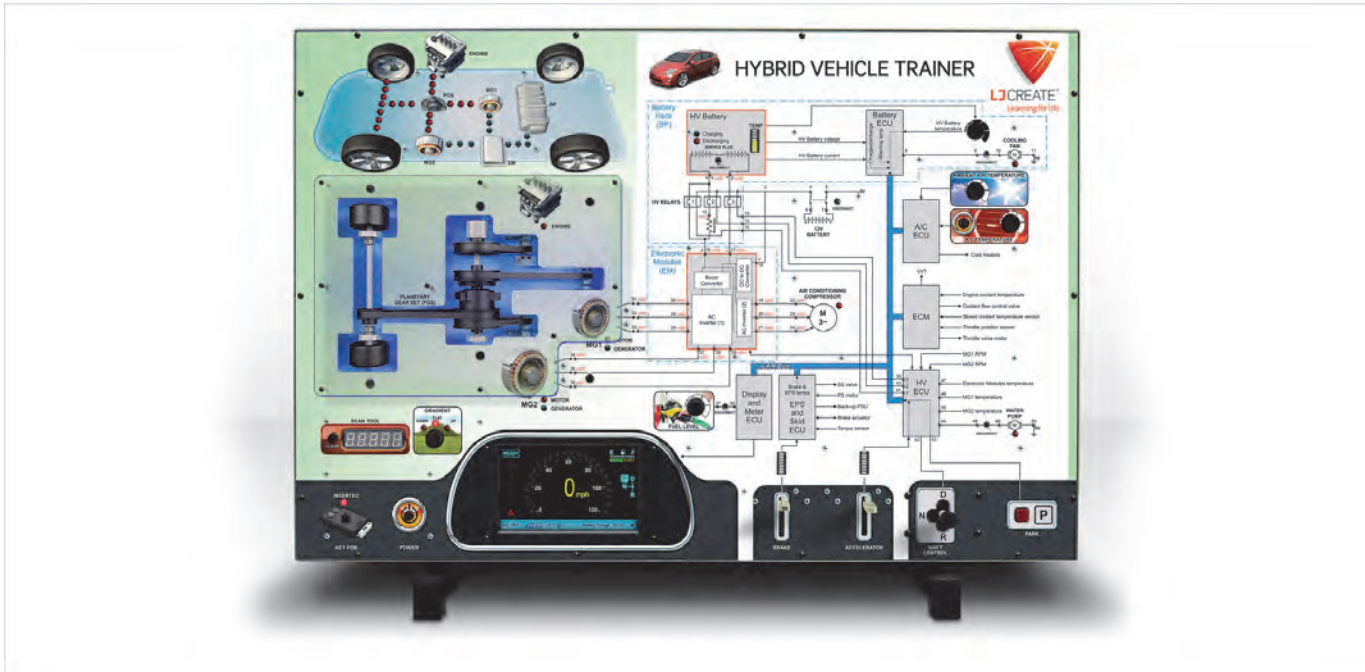


# Product Information Sheet

## Hybrid Vehicle Systems Panel Trainer



This trainer provides students and instructors with the opportunity to demonstrate, investigate and fault-find a simulation of a hybrid vehicle electrical system. The trainer is designed to allow access to a simulation of the mechanical operation as well as provide a mimic of the electrical power flow. The panel also includes test points at a safe voltage level to allow for investigation of electrical circuits. 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.

### The Panel Trainer Provides the Following Features:

- Simulation of mechanical and electrical power flow
- Dashboard with speed, RPM, ECO monitor and temperature displays
- Brake and accelerator pedals
- Gear-shift control and park push-button
- Ignition and power push-buttons
- Gradient switch
- Controls to adjust external, internal, cabin and coolant temperatures
- Terminals to make DC and AC circuit measurements
- Hybrid transaxle featuring a planetary gear set
- Scan tool to display diagnostic trouble codes
- Manual or automatic fault insertion

### Typical Practical Tasks Include:

- Series, parallel and series-parallel systems
- Hybrid brake systems
- Electric motors
- Storage devices
- Hybrid engines
- Cables, connectors, protection devices and controllers
- Power-control modules
- Safety
- Routine maintenance and repair

### 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: 756-01**

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