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

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 manual CD
- 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^3
Packed Weight: Approx 26 kg

Order Code: 756-01

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For more information visit www.ljcreate.com

FOR MORE INFORMATION CONTACT US!

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