



AUTOTRONICS



TRAINER FOR THE STUDY OF BATTERY PACK DISCONNECTION IN HYBRID AND ELECTRIC VEHICLES

DL HV-LST



Who is it for?

- Automotive system Engineering
- Autotronics Technician
- Industrial Tech. in Automotive field
- Automotive maintenance Tech.

This trainer **DL HV-LST** will help the students to easily and safely learn the steps for de-energising hybrid and electric vehicles equipped with various HV systems before performing them on a real vehicle with an HV system.

De-energising can be carried out using a real two-step service plug and an interlock connector.

In addition to de-energising, it is also possible to perform reference, residual voltage, insulation resistance, and equipotential measurements.

It is equipped with three LCD monitors to display various information (statuses, fault codes, voltages, etc.). Its use is completely safe and in case of accidental contact, the voltage level does not exceed 40 V.

TECHNICAL SPECIFICATIONS

The trainer has the following technical specifications:

- Display of relevant circuits and vehicle components on a colourful, printed panel.
- Three LCD displays for displaying current information such as:
 - ◆ Voltages,
 - ◆ Battery information,
 - ◆ Fault codes,
 - ◆ Interlock circuit status,
 - ◆ Ready status,
 - ◆ Emergency mode (failed READY),
 - ◆ Switching ON and OFF of contactors,
 - ◆ Expiration of waiting time.



- Real two-step automotive service plug.
- Built-in waiting time counter.
- Removable inverter inspection cover.
- Possibility to perform two de-energising procedures:
 - ◆ Vehicles equipped with a service plug,
 - ◆ Vehicles equipped with an interlock switch.
- 10 measurement points such as:
 - ◆ Auxiliary battery (+ removable negative terminal connector),
 - ◆ Interlock circuit (+ removable interlock switch),
 - ◆ Inverter (HV+ and HV-),
 - ◆ Equipotential points (inverter and HV battery).
- Performing real measurements such as:
 - ◆ Reference measurement (multimeter or phase tester),
 - ◆ Residual voltage measurement (multimeter or phase tester),
 - ◆ Insulation resistance measurement (insulation resistance tester),
 - ◆ Equipotential measurement (multimeter or milliohm tester).
- Supports real work processes such as:
 - ◆ Use of personal protective equipment (PPE),
 - ◆ Use of insulated tools and additional signals,
 - ◆ Preparation of de-energising report.
- Safe operation, measurable voltage always < 40 V.
- Power supply: 110 ÷ 230 Vac.
- Equipped with a fuse.

Supplied with detailed manual.