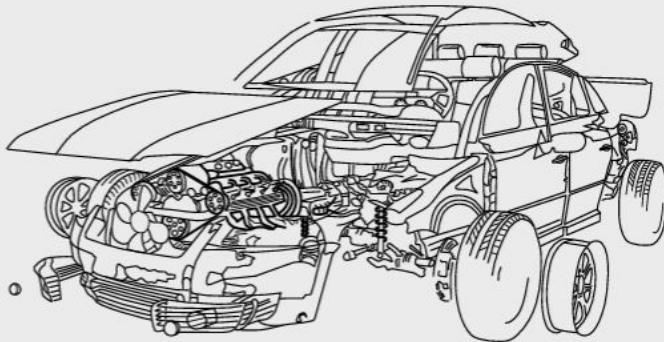


# THEPRA

AUTOMOTIVE TRAINING



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# **Thepra brings their highly precise, trusted and proven automotive training solutions to North America.**

## **ELECTRICS AND ELECTRONICS**

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## **BRAKES AND CHASSIS**

## **SAFETY AND COMFORT**

## **OTHERS AND ACCESSORIES**

## **MEASURING ON THE VEHICLE**

Breakout Box Parallel

Breakout Box Serial

Measurement Equipment

## **CUTAWAY MODELS**

Engine Technology

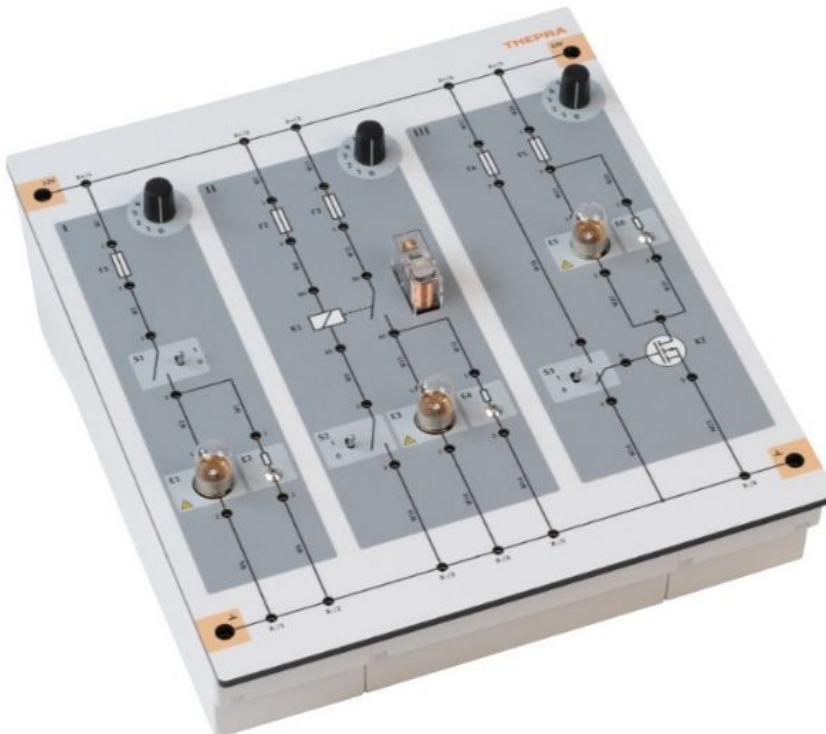
Drive Train

Brake Technology

Others

Model Cases

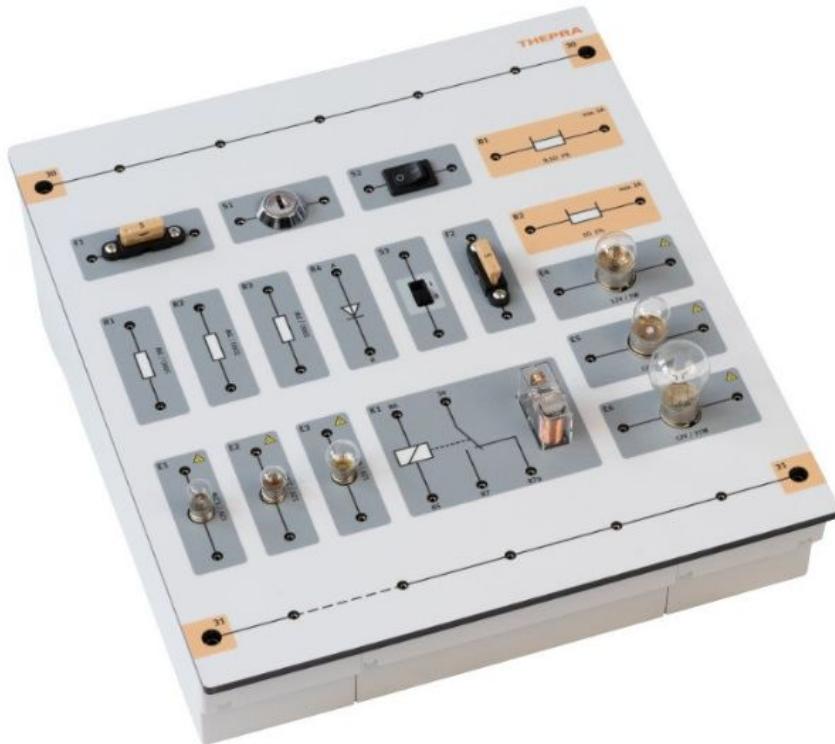
# Multimeter Diagnosis Trainer



## *Description*

- Innovative laboratory trainer for the development of electric and electronic foundations for the safe handling of the multimeter.
- Automotive relation with three typical, simple circuits for automotive lamps: conventional, with relay, with transistor.
- 18 faults switchable, 3 x toggle switch for on / off, 3 x car lamps, 3 x LED, 1 x relay, 47 x measuring sockets.
- Laboratory front panel with console housing for use on the table or in A4 desk frames.

# Automotive Electrics Trainer



## ***Description***

- Compact, versatile learning system for automotive electrics - basic laws and circuit diagnostics.
- All components can be freely wired according to real motor vehicle electrical circuits.
- Contains: 3 x various switches, 2 x fuse, 2 x precision shunt, 6 x light bulbs, 3 x resistors, diode, relay.
- Laboratory front panel with console housing for use on the table or in A4 desk frames

# Automotive HV-Safety Trainer



## ***Description***

- Innovative laboratory trainer for safety in handling HV vehicles.
- With this flexible system you can safely train different manufacturer methods of activation.
- In addition, insulation testing and equipotential bonding measurements with workshop measuring instruments are possible.
- Original maintenance plug, 5 inch touch screen display for control and display of all information, error circuit with numerous work orders.
- Use with real 202 V (at 10mA) or 20.2 V low voltage. Laboratory plate in desk housing for use lying on the table or in DIN A4 support frame.
- Detailed documentation and extensive worksheets for teachers and students.

# Automotive Sensors Trainer

## *Description*



- Compact, versatile learning system for automotive sensor technology - basic diagnostics.
- All components can be freely wired according to real motor vehicle electrical circuits.
- Contains: 2 x fuse, switch, 5 V DC power source, 2 x precision shunt, pulse-width-frequency generator to drive the sensor wheel, 2 x temperature-dependent semiconductor resistors (NTC, PTC), 3 x resistors, potentiometer, NPN power transistor, photo resistor, lamp, photo diode / photo element, pressure / force sensor, piezo sensor as knock sensor, hot film sensor, induction sensor, Hall sensor and sensor wheel.
- Laboratory front panel with console housing for use on the table or in A4 desk frames.

# Automotive Electronics & Actuators Trainer

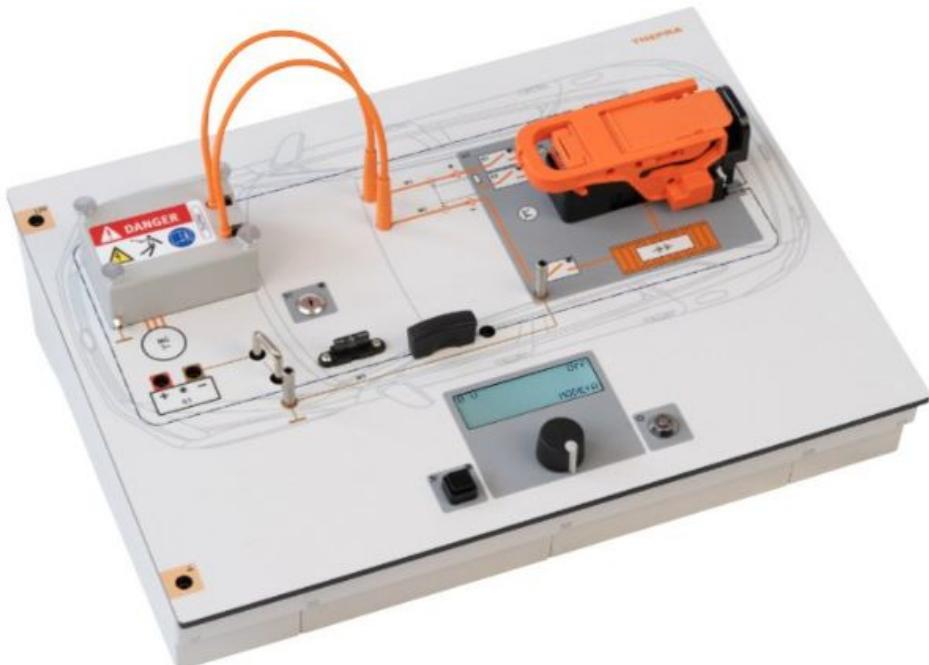


## *Description*

- Compact, versatile learning system for automotive electronics and actuators.
- All components can be freely wired according to real motor vehicle electrical circuits.
- Contains: 2 x fuse, switch, 5 V DC power source, 2 x precision shunt, pulse-width-frequency generator for simulation of control devices, capacitor, potentiometer, rectifier diode, Z-diode, thyristor, NPN transistor, Mosfet transistor, 2 x lamp, relay, proportional solenoid valve, commutator motor.
- Laboratory front panel with console housing for use on the table or in A4 desk frames.

# Automotive Lock-out Trainer 2.0

## *Description*



- Innovative laboratory trainer for safety in handling HV vehicles.
- With this flexible system you can safely train different manufacturer methods of deactivation.
- In addition, insulation testing and equipotential bonding measurements with workshop measuring instruments are possible.
- Original maintenance plug, LCD display for control and display of all information, Usage with 40 V low voltage.
- Laboratory panel in desk housing for use lying on the table or in DIN A4 support frame.
- Detailed documentation and extensive worksheets for teachers and students.

# Training Package T-Varia Lighting

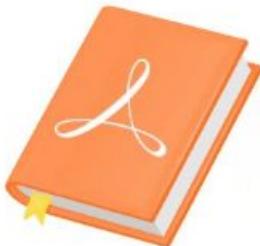


## **Description**

- With a training package, you can get started straight away.
- You will receive the desired learning system with all accessories.
- Optional measuring devices can be purchased separately.

*T-Varia Connect is ideal for assembling individual components into an overall system. Here trainees learn to read and create schematics, to assign terminal names, and connecting the system accordingly. Theoretical knowledge can be applied and tested on original automotive components in a realistic and clear manner.*

# Training Package T-Varia Engine Management



## ***Description***

- With a training package, you can get started straight away.
- You will receive the desired learning system with all accessories.
- Optional measuring devices can be purchased separately.

*The ideal system for getting to know the complex interaction of electrical and electronic automotive components in a practical way on original components: engine management basics - error-free, low-noise, emission-free.*

*The T-Varia Connect System Engine Management enables the fully functional operation of MPI, FSI and TDI motor controls by simply replacing the actuators on the system panel.*