

Item No.: CO4205-1H

Course - Automotive 25: "Interlock in Hybrid and all Electric Vehicles"

A pilot line is a protective safeguard intended to ensure the safety of users and workshop personnel in the automotive sector. Learn about pilot lines via interactively based experiments.

Includes:

- Experiment card with circuitry for experiments in Eurocard format
- Interactive training course on CD-ROM with Labsoft browser, course software and additional virtual instruments
- Storage case
- Jumpers

Components on experiment card:

- Electronic circuitry for a pilot line
- Measurement sockets
- Fault simulation circuitry

Training contents

- Fundamentals of pilot lines
- Compiling repair shop orders
- Diagnostic functions
 - Reading out fault memory with a diagnostic tester
 - Classifying faults in vehicle systems
- Function and design of a pilot line
 - Design of electric circuit
 - Principle of operation
 - Control
 - Circuit variants
- Repair methods and conversations with customers
 - Selection of repair actions as specified by manufacturers
 - Working with spare part numbers
- Investigation using measuring instruments
- Practical troubleshooting (5 simulated faults which can be activated via relays)
- Course duration 7 hours approx., including 1.5 hours for troubleshooting

Operating voltage:

- 0-10 V pulse-width modulated voltage

Dimensions:

- 100 x 170 mm (width x height)

