

## CAN BUS Training stand Training board — simulator

Fully functional CAN—BUS network system is installed in a mobile aluminum frame.

The educational training board is based on Mercedes—Benz OEM components. The stand is equipped with a functional CAN GATEWAY 2.0 system.

The training board-simulator is a great educational tool that allows students to learn the structure of CAN Gateway system, study its components, perform various measurements, tests and other diagnostic procedures.

### Technical specifications and functions

- The training board is equipped with a CAN Gateway 2.0 network system that includes: dashboard, engine ECU, smart key, ignition module, lock module, central CAN Gateway module, front and rear doors control modules and etc.
- All the components are connected to the internal network. The network is shown as a diagram for better understanding;
- The modules communications can be connected or disconnected by banana plug jumpers. There can be connected or disconnected Low and High speed CAN lines on the stand;
- CAN Gateway diagram with built in banana plug jumpers for measurements and simulation of system malfunctions;
- Ability to simulate more than 10 system faults;
- The window lifting motors are active and controlled by switches and doors control modules through CAN Gateway network of the car;

### Diagnostic and measurement

#### Oscilloscope/multimeter

- System's parameters are measured by connecting to the banana connector
- Ability to measure electrical signal parameters of each system component

#### Control unit diagnosis

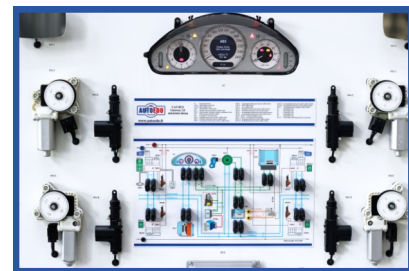
- Diagnosis through OBD (J1962) 16 – pin diagnostic connector
- Diagnose all presented control units in the CAN BUS network by using an automatic search
- Diagnose of each control module separately;
- Electronic control unit (ECU) identification;
- Reading/erasing fault codes
- Displaying the operating system parameters (live data)
- Activating the actuators (Depends on the control unit)
- Control unit encoding/configuration (Depends on the control unit)

#### Other

- The stand has a closed structure – internal wiring is not visible
- Power supply: 12 V from the battery (not included as standard accessory)
- Dimensions approx.: (HxLxW)1820x1360x500mm
- Nett weight approx.: 60 Kg
- Made in Lithuania
- CE certificate

### Optional accessories

- 12 V Battery
- 220/12 V power supply unit
- Automotive oscilloscope
- OBD Diagnostic scan tool



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