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;

Optional accessories

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

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

Order Nr. MSCAN 1