



Description

- Fully functional system
- Diagnosis through OBD 16 pole diagnostic socket
- Open contacts for measuring system components and circuits
- Fault code simulations

The fully functional CAN-BUS network system is installed in a mobile aluminum frame. This CAN BUS training board - trainer is specially designed to help technical students understand the system`s construction.

The educational training board is based on OEM components of Mercedes – Benz. 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, and perform various measurements, tests and other diagnostic procedures. For technical and vocational Tesca education and training.

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
- SRS Airbag ECU
- Central CAN Gateway module (ECU)
- Front and rear doors control modules

Note: Specifications are subject to change.

- Front and rear windows lifting motors
- Front and rear windows lifting switches

All the components are connected to the internal network. The Network is shown as a diagram in order to understand better

The modules communications can be connected or disconnected by banana plug jumpers. Low and High speed CAN lines can be disconnected 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 a 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 system component
- Control unit diagnosis
- Diagnosis through OBD 16 – pin diagnostic connector
- Diagnose all presented control units in the CAN bus network by using an automatic search (depending on the diagnostic tool possibilities)
- 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: 12V from the battery (not included as standard accessory)
- Dimensions approx.: (HxLxW) 1820x1360x500 mm
- Nett weight approx.: 60 Kg
- CE certificate
- Optional accessories
- 12 V battery
- 220/12 V Power supply unit
- Tesca oscilloscope
- CAN Network analyzer
- OBD diagnostic scan tool

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in CAN BUS Educational Trainer operate and its technology.

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