

# MQB Test Bench

The MQB Test Bench represents a model of a car electronics where all units can be seated and work the same as usual in cars. This test bench is mainly intended for supporting the development and testing of MIB3 projects.



The advantage of this solution is that tests can be run without the need for an actual car. The MQB Test Bench is made of a lightweight aluminium construction. The structure holds a wired harness fixed in a wire duct, which is intended for connection of ECUs, to evaluate technologies and accessories.

The MQB Test Bench can be made in an online (connected to the backend) or an offline version. It is also possible to extend the test bench using an RTL Enabler, which allows the user to remotely operate it from any location using a web browser.

Thanks to the flexibility of the mechanical design and a suitably designed wiring harness, the test bench can be easily modified and extended. Custom modifications are also possible.

## Readiness for connection

- › Gateway (GW)
- › Modular infotainment matrix (MIB3)
- › Integrated control panel (ABT)
- › Instrument cluster (IC/FPK)
- › Body control module (BCM)
- › Multi-function steering wheel (MFL)
- › Steering column switch module (SMLS)
- › Start/Stop button

## Key features

- ✓ Light and mobile test centre
- ✓ Online / offline version
- ✓ Optional connection for headphones
- ✓ Construction flexibility
- ✓ Possibility of extension with optional accessories
- ✓ Possibility to connect other units and accessories
- ✓ CAN bus terminal
- ✓ Prepared for RTL Enabler
- ✓ Prepared for CANSim4 Simulator
- ✓ Prepared for MGB FrameGrabber
- ✓ Prepared for PDC Box
- ✓ Prepared for TraceBox

- › USB HUB
- › Read coil
- › Online connectivity unit (OCU3)
- › 3-key module (3TM)
- › Speaker for OCU
- › 4x loudspeakers (2 speakers included)
- › Electronic steering column lock (ELV)
- › Kessy with antennas
- › Door control module (TSG), locks
- › Microphone (MIC)
- › MiKo bar (PDC/PLA/FPA buttons)
- › Rotary light switch (LDS)
- › Air conditioning (AC)
- › On board diagnostic (OBD II)
- › Rear view camera (RVC Low/Compact/Compact+)
- › Area view (AV) – without cameras
- › Head-Up-Display (HUD)
- › Sound (AMP)
- › 3.5 mm jack connector
- › Park Distance Control (PDC/PLA)

### Accessories

We offer various accessories for this test bench, please visit our website for more information.



MGB FrameGrabber



CANSim4



PDC Box



Holders, power supply and other

### Technical parameters

Platform	MQB
Main purpose	Development and validation of MIB3
Connections	CAN, Ethernet, UART (RS232), OBD II
Power supply	12 V to 15 V
Operational temperature	For use in laboratory conditions only
Dimensions (W × D × H)	480 × 420 × 590 mm (including connectors, control elements and DIN rail parts)
Weight without accessories	13.8 kg



For ordering, further details and available accessories please contact us: [business.products@digiteqautomotive.com](mailto:business.products@digiteqautomotive.com)

