



## Actuator unit MDI-BT-02 and diagnostic adapter MDA-BT-02

### Picture MDI-BT-02

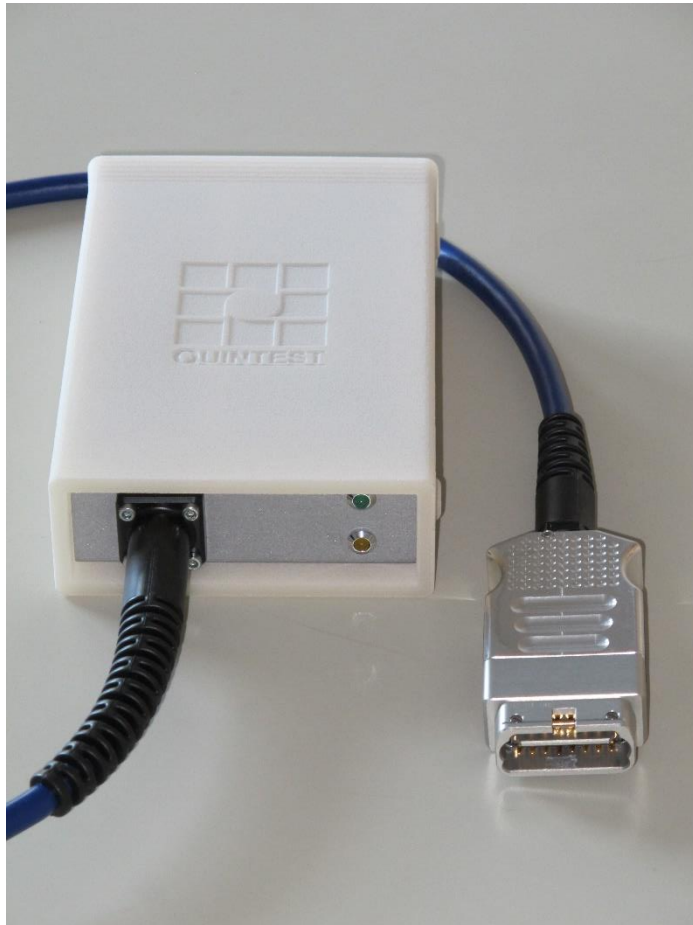


### Technical data MDI-BT-02

Power supply:	24VDC, 0,3A (via PLC power supply)
Dimensions:	Length: 245mm, Width: 245mm, Height: 56mm (without Harting-connectors, wall brackets and Bluetooth adapter)
Weight:	approx. 2kg
Protection category:	closed aluminium case IP64
PLC interface (24V):	each 4 opto-isolated in- and outputs via 14-pin Harting-plug 8 in- and 8 outputs as option
Diagnostics:	via Bluetooth connection with diagnostic adapter MDA-BT-02. Bluetooth connection via external Bluetooth module at lower left.
Bluetooth module:	V2.0 + EDR, Class 1, stub antenna +1dBi
Operating range:	~30m in a plant.
Firmware updates:	with USB stick via USB host interface.
Display:	four 20-digit line LCD display with backlight.
Operation:	2 switches and one push button for manual mode.



Picture MDA-BT-02



Technical data MDA-BT-02

Power supply:	12VDC, 0,2A (via OBD connector from the car)
Dimensions:	Length: 195mm, Width: 123mm, Height: 49mm (without OBD-plug, cable and cable gland)
Weight:	approx. 0,5kg
Protection category:	IP52
Diagnostics:	CAN TP2.0 with KWP2000 and ISO-TP with UDS.
Bluetooth modul:	integrated, V2.0 + EDR, Class 1, onboard chip antenna
Operating range:	~30m in a plant.



#### Field of application MDI-BT-02 and MDA-BT-02

This appliance combination is the **wireless** alternative for the MDI-DUO-04. The converter board for the CAN bus is located in a separate device, the MDA-BT-02. The MDA-BT-02 is placed on the dashboard of the car and connected to the OBD socket by a short cable. The communication with the MDI-BT-02 is wireless via Bluetooth, omitting the OBD cable between filling machine and car.

The MDI-BT-02 unit controls the actuation of the ABS/ESP solenoid valves and synchronizes with the brake fill machine during the process. The unit is mounted to the console of the brake fluid filling machine.

The "Evac and fill" as well as "Repair Bleed" process can be selected. The operator is guided through the repair bleed process step by step.

For repair bleed without filling machine we recommend our hand-held device MDI-DUO-05.



#### New features MDI-BT-02 and MDA-BT-02

##### **Wireless:**

The Bluetooth adapter at the MDI-BT-02 is paired to the MDA-BT-02, so that it is delivered together with the MDA-BT-02. The MDI-BT-02 is delivered without its Bluetooth adapter. If the MDA-BT-02 is replaced, the Bluetooth adapter at the MDI-BT-02 has to be changed also. Thus, even if several combinations of MDI-BT-02 and MDA-BT-02 are in use at multiple lines, there is no configuration of the Bluetooth connection necessary.

##### **USB Interface:**

For Firmware updates connect a USB stick with the new firmware to the USB interface.

##### **Trace-files:**

All data sent and received on the CAN bus, as well as the PLC I/O's are recorded and timestamped. Each filling sequence creates a single file that is stored onto an internal 1GB SD-card. The files can be copied to a USB stick for further evaluation.

##### **MDI-BT-01:**

The MDI-BT-02 is also available as MDI-BT-01. This is a MDI-DUO-04, which additionally has the Bluetooth function of the MDI-BT-02. So, for each filling either the OBD cable or the MDA-BT-02 can be used in the vehicle.



#### Manufacturer



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