

## TESTER OF BRAKE FUNCTIONS FOR COUPLED CARS

# TBV01-UIC

### Device description

The brake functions tester for coupled cars TBV01-UIC is an electronic device designated for testing of functions of an equipment that controls electro-pneumatic (EP) braking and emergency brake override system installed in the personal railway vehicle or in the control vehicle in line with the UIC541-5 and UIC541-6 codes. In its function it fully electrically replaces a coach/wagon EP brake and control system of emergency brake override system. With use of its control elements (switches) it allows to check the reaction of the car on particular commands of EP braking system and the emergency brake override system. The response of the car to the commands is displayed on the tester display. The output signals of the tester are indicated by the LED diodes. Supply voltage is 24V DC from the car battery.

The tester is built in a case from anodized aluminium with plastic sidewalls. Dimensions: 344 x 72 x 185 mm. On the backside are located connectors for cross connection as well as power input. The front side is provided with display, control- and signalling elements and slots for voltage measuring between particular lines of braking cable.

The tester is delivered together with a professional carrying case (100% Watertight, crushproof, and dust proof), power supply cable and connection cable 6,5m (7x0,5) with UIC plug.

The device's communication language as well as printed commands can be customized based on customer's requirements.



#### The tester allows to:

- test of emergency brake and override of emergency brake circuits in line with the UIC541-5 code
- test of emergency brake and override of emergency brake circuits in line with the UIC541-6 code
- check of sending out the command for EP braking
- check of sending out the command for releasing EP brakes
- check for evaluating train car battery voltage drop
- functionality check of the Test EP box