

## BRAKE FUNCTIONS TESTER FOR LOCOMOTIVES

# TBH01-UIC

### Device description:

The brake functions tester according to UIC is a modern electronic device that provides a functional tests of a system that controls electro-pneumatic (EP) braking and emergency brake override (EBO) installed in the locomotive or in the control car meeting the UIC541-5 and UIC541-6 standards.

The tester is installed in a box made of anodized aluminium with plastic sides and size of 194 x 72 x 185 mm. There is a connector on the back wall for provided cable connection. On top wall there are the control and signalling items and sockets for measuring voltage between the individual brake cable lines.

The tester can be connected directly to the locomotive UIC plug and with its functions it is able to electrically “replace” a coupled coach/wagon or even the whole trainset.

The language of the printed commands/ descriptions can be customized based on customer's requirements.

The tester is delivered together with **standard accessories**: a professional carrying case (IP67 protection, crushproof and dust proof), connection cable 3m (7x0,5) with UIC plug.

**Recommended Accessories:** connection cable with UIC socket for testing of vehicles which are provided with plug as well as socket.

### Tester functions:

- test of EP brake before drive (of electric circuits); The tester replaces the EP Test Box
- test of EBO circuits meeting the UIC541-5 standard
- test of EBO circuits meeting the UIC541-6 standard
- check if the EP braking command was correctly sent
- check if the EP brake release command was correctly sent
- check of correct recognition of interrupted resistor in the EP control loop
- check of correct recognition of interrupted conductor No. 1
- check of correct recognition of interrupted resistor in the emergency brake control loop
- check of correct recognition of end of the trainset interruption
- check of correct recognition of double ending of the EP loop
- check of correct recognition of double ending of the emergency brake loop
- check of correct recognition of train car battery voltage drop



Direct on the front side of the device there are placed 6 sockets for lines No. 1,2,3,4,D,A of the 9-core brake cable for direct Voltage check between the lines according to UIC541-5.