MI-8 Transformer BSK (Brake Systems Knorr) is one of the latest models developed by EKA, specially designed for testing brake systems by Knorr-Bremse.

**CUSTOMER BENEFITS**
- Automatic testing protocol acc. to UIC543-1, VPI07 etc.
- Custom-made protocols defined by the customer
- Manual testing
- Light and modular design suitable for field testing
- Option for additional equipment, force sensors, wheel profile controller, velocity sensor and other custom-made devices
- Two operational positions (standing / sitting)
- Software update on demand from customer
- Operator cannot influence the results
- Up to 8 hours operation on battery mode

**APPLICATIONS**
- Solution for all types of railroad vehicles
  - Freight wagons
  - Passenger coaches
  - EMU/DMU trains
  - Locomotives
  - Railroad maintenance vehicles
The MI-8 Transformer BSK test bench for railroad systems is part of the range of test benches manufactured at EKA D.O.O and is designed for testing the key parameters of a railroad vehicle's brake process: pressures in the pneumatic system, brake forces, temperatures due to braking, and velocity. It is used for fully automated tests of the braking process, in accordance with the UIC standards. The test bench MI-8 Transformer BSK obtains signals from sensors connected to the entry ports and controls the pressure in the brake pipe and independently in two T-pipes through the measuring regulation valve (MRV). The MRV controls the pressure in the brake pipe and simulates different wagon loads by changing the pressure in the measuring valve.

CHARACTERISTICS

- Adjusted for field testing
- 12 V / 7Ah accumulator battery
- 9 analog current inputs
- 3 analog voltage inputs
- 7 digital transistor outputs

TECHNICAL DATA

Basic characteristics
- Housing: Iron
- Mass: 76 kg
- Operating temperature: -10 °C to +45 °C

Electric characteristics
- Supply voltage: 220 V AC
- Current consumption: 0.5-1.5 A (max)
- RS232: Asynchronous optical isolated
- RS232 baud rate: 38400 bit/s
- A/D conversion: 12 bit