

TwinTrain – MultiBrake

SIMULTANEOUS TESTING OF BRAKES



The TwinTrain-MultiBrake system offers a highly efficient solution for testing rail vehicle braking systems by simultaneously capturing all critical parameters across multiple brake units.

This innovative system comprises battery-powered measuring modules mounted directly onto brake controllers, eliminating the need for external air supplies or extended hose connections. Each module is powered by the vehicle's own compressed air system and can simulate and measure a range of brake pressures.

Operated wirelessly via a central control unit, TwinTrain-MultiBrake delivers real-time data acquisition and automatic detection of brake application and release. It enables simultaneous testing across all bogies and supports the programming of complete test sequences in accordance with manufacturer specifications. All sensors are fully calibratable, ensuring precise and reliable measurements.

WHY CHOOSE TWIN TRAIN MULTIBRAKE

> Simple and fast installation on the vehicle without time-consuming laying of hose line

The system allows quick and straightforward installation directly on the vehicle, minimizing setup time. Since no long hose lines need to be laid, the process is significantly faster and less labor-intensive, making it ideal for mobile and distributed testing environments.

> Accurate measurement directly at the controller of the brakes

Accurate measurements are taken directly at the brake controller, ensuring precise data collection at the source. This approach improves the reliability of test results and supports detailed analysis of braking performance.

> Automatic determination of application and release times

The system automatically detects brake application and release events during testing. This enables precise measurement of timing parameters, improving the accuracy and efficiency of brake system diagnostics.

APPLICATIONS

- > Commissioning
- > Maintenance

FEATURES

- > User Interface
- > System overview / use and storage

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