

TwinTrain-MultiBrake

Efficient Railway Brake Testing for the Full Brake System



→ Product Highlights:

- Simultaneous testing of all brakes
- Wireless and mobile measurement system using pressurized air directly from the train
- Automated test procedure leading to shorter test time and using less labor
- Fast installation and deployment

TwinTrain-MultiBrake



→ TwinTrain-MultiBrake is a state-of-the-art solution for brake testing that enables the simultaneous measurement of all relevant parameters across all brake controllers in the braking system during brake inspections.

→ Simultaneous Testing Across the Full Train with Wireless Data Acquisition and Automated Procedures

- Test multiple brake controllers simultaneously
- Increase throughput and efficiency through automation
- Simplify deployment without heavy infrastructure
- Improve measurement precision

→ TwinTrain Runs on UTMS

Averna Powered by Sphera's UTMS (Universal Test Management System) is a centralized platform that enables organizations to **define, release, execute**, and prove testing activities with complete traceability. By linking test requirements, procedures, configurations, execution records, and results in a controlled workflow, UTMS delivers **auditable test evidence and repeatable processes**. Its hardware-independent architecture preserves test knowledge across generations of technology, supports long-term maintainability, and allows organizations to modernize equipment without losing valuable test assets, ensuring sustainable test capability for decades.

Key Benefits

- Faster setup without complex hose or powerline systems
- Accurate, automated measurements
- Shorter testing time with a corresponding reduction in labor
- Improved test efficiency



TECHNICAL SPECIFICATIONS

Design	Modular system
Power	Battery-powered system with a runtime of > 6 hours
Connections	10 compressed air connections, measurement range 0–10 bar
Measurement accuracy	±50 mbar
Communication	Rugged, wireless communication link
Troubleshooting	Electrical interfaces

Optimize your brake testing with TwinTrain-MultiBrake, a mobile and efficient solution that reduces testing time and labor, to bring rolling stock back on track, faster.