



New SmartBoard

Trailer Information and Operation Panel



ZF's SmartBoard – Enhanced control for safer operation



The ability to monitor and operate a range of trailer functions and conditions is key to improve efficiency on the road and reduce fleet operational costs. SmartBoard integrates a wide range of monitoring devices that previously had to be separately mounted into a “single box” multi-functional system.

Easy-to-access, easy-to-use, SmartBoard is available both in a standard and ADR version also for use with vehicles carrying dangerous goods.

Operational Benefits

- Provides trailer functions operation and information in a single, logically configured system
- Installation flexibility with two mounting angles
- Standard and ADR versions covering a wide range of vehicles
- Simple user-friendly eight button control pad providing improved usability thanks to an intuitive menu structure and an icon oriented display
- Optical warning for safety-related functions with user-defined parameter settings
- Self-adapting display preferences based on usage patterns
- Trailer information including braking system error codes always available even if the trailer is uncoupled for driver and maintenance planning convenience
- Comes with 18 pre-programmed languages
- Compatible with ZF Trailer EBS E (from version E4 onwards), iEBS and iABS
- Wide range of Intelligent Trailer Program functions accessible through SmartBoard if appropriate trailer equipment or sensors are installed

Smartboard Functions



Messages

Diagnostic and system messages providing essential information about the operating status of trailer functions avoiding the need for workshop visits



Vehicle Inclination

Provides vehicle inclination degree (includes a warning threshold)



Load Monitoring

Axle load data function displaying both load and overload information for accurate, efficient trailer loading and safe operations



Immobilizer

Entry function for locking and unlocking trailer brakes via PIN code locking system



Tire Monitoring

Detailed tire condition information, such as target and current tire pressures (requires ZF's OptiTire Tire Pressure Monitoring System) to help keep tires operating at optimum efficiency and to reduce wear and maintenance costs



Mileage Counter

Automatic mileage display through an independent and veritable mileage counting (even without EBS socket plugged)



Lining Wear

Brake lining wear information – i.e. need to replace pads or not – enabling safe operations and preventing the need for expensive repairs



Additional Functions

Extensive additional functions such as System Information and Operating Data Recorder (ODR) overview



Advanced Braking Functionalities

Control of advanced braking functions such as Bounce Control, Finisher Brake or Brake Release supporting a wide range of application



Free Configurable Switches

Programmable switches for specific on-demand functions (customized icons can be provided)



Air Suspension

Operation of ZF's chassis/lift axle lifting and lowering functions (e.g. OptiTurn, OptiLoad, Traction Help) with no need for an additional device for ECAS utilization



Language

Easy switching between 18 pre-programmed languages

Intelligent Trailer Program

It's what's inside that counts.

Advanced Safety

- TiltAlert
- Anti-Lock Braking Function
- Emergency Brake Alert
- Router & Repeater
- Rollover Stability Support
- Bounce Control
- SafeStart
- TailGUARD™
- Electronic Park Brake

Operational Efficiency

- TX-TRAILERGUARD™
- TX-TRAILERPULSE™
- Advanced Multivoltage
- Memory Level
- Notebook Memory
- Immobilizer
- Trailer Extension Control
- Operating Data Recorder
- Return-to-Load Level
- Brake Pad Wear Indicator
- OptiLevel™
- Service Mind
- Battery Control
- OptiTurn™
- OptiLink™
- OptiLock™

Load Optimization

- OptiLoad™
- Forklift Control
- OptiLevel™ 2-Point
- Overload Indicator
- Air Bellows Protector

Fuel & CO₂ Reduction

- OptiFlow™ SideWings
- OptiFlow™ Tail
- OptiFlow™ AutoTail
- OptiTire™
- Lift Axle Control
- Fuel Saving Suspension

Driver Comfort & Effectiveness

- Return-to-Ride
- Trailer Remote Control
- Traction Help
- Trailer Length
- Finisher Brake
- New SmartBoard
- Steering Axle Lock

Intelligent Trailer Program functions which are accessible via SmartBoard if appropriate trailer equipment or sensors are installed

For further details contact your local representative

About Us

ZF, which acquired WABCO Holdings Inc. on May 29, 2020, is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility.

ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers.

ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

In fiscal year 2020 ZF reported sales of €32.6 billion. The company employs more than 150,000 associates at approximately 270 locations in 42 countries.