

OptiTire™ – ADVANCED TIRE PRESSURE MONITORING

WABCO launches OptiTire™, the next generation tire pressure monitoring solution for trucks, trailers, buses and off-highway vehicles, as an aftermarket product.

Tires are a prime safety component of your vehicle. Every cm² where the rubber hits the road are essential to a safe trip. Ensuring correct tire pressure is essential. An official ADAC study has estimated that over 30% of truck breakdowns are caused by tire failure. In addition to this, incorrect tire pressure has a negative impact on fuel consumption and tire life.



OPTITIRE FEATURES

- Full Truck-Trailer solution
- Wireless wheel module operation
- Long-life batteries (up to 9 years)
- Monitors up to 22 tires
- Easy transfer to other wheels or vehicles
- Compatibility with IVTM™
- Compatibility with WABCO SmartBoard and WABCO Trailer EBS
- Compatibility with major Truck OEM dashboards
- Integrates with TX-TRAILERGUARD telematics

OPTITIRE BENEFITS

Lower fleet running costs

- Reduced breakdowns and downtime
- Helps to maximize tire life
- Up to 2% fuel saving
- Reduced CO₂ emissions
- Quick and easy retrofit
- Improved maintenance predictability

Improved fleet safety

- Early pressure deviation warnings
- Less risks of blowouts

TIRE PRESSURE MONITORING SOLUTION FOR A WIDE RANGE OF VEHICLES

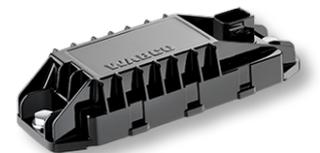
Based on its comprehensive experience with Tire Pressure Monitoring Systems (TPMS) for commercial vehicles over more than a decade, WABCO has developed a new ECU generation for OptiTire. Thanks to the sophisticated algorithms proven in previous generations of WABCO TPMS and IVTM ECUs, the OptiTire ECU offers a high level of reliability.

OptiTire can be used as a stand-alone solution for trucks, trailers, buses and off-highway vehicles as well as for truck-trailer combinations. In addition, OptiTire can cover even more vehicle applications than the previous generation. Thanks to greater sensitivity, the OptiTire ECU provides an improved signal reception. OptiTire can now monitor up to 22 tires.

The system works with the tried and proven external wheel modules. They provide precise tire pressure information and enable a particularly easy retrofit as the tires do not need to be removed from the rim during installation.

WABCO OptiTire provides the driver with continuous updates on tire pressures from each monitored wheel. The information indicated via the truck dashboard, WABCO SmartBoard or a dedicated WABCO display, gives constant reassurance that each tire is performing exactly as it should.

Thanks to Transics TX-TRAILERGUARD telematics, OptiTire can even transmit tire performance information directly to fleet offices via the FMS portal TX-Connect, allowing them to schedule maintenance as and when required and to support drivers on the road.



AN ATTRACTIVE SYSTEM THAT IS EASY TO INSTALL

OptiTire is part of WABCO's extensive range of Retrofit Solutions which offer fleet operators the option to upgrade their existing vehicle park with the latest state-of-the-art technology without the need to invest in new vehicles.

With OptiTire, WABCO provides technology to the Aftermarket in line with today's Original Equipment standards. By supplying the driver with continuously updated tire pressure information from each monitored wheel, OptiTire can help fleet operators to increase uptime and reduce fuel costs.

To simulate the potential savings, WABCO offers a [Return on Investment \(ROI\) calculator](#) specially for OptiTire. The ROI calculation can be fully customised to the specific scenario of each customer.



In the myWABCO space WABCO also offers the online systems configurator WABCO Bridge which can be used to customise OptiTire to each specific vehicle application and easily identify the right components. Apart from the configurator, WABCO Bridge also includes the OptiTire ROI calculator and further product information. Please ask your local WABCO contact for access to WABCO Bridge.

WABCO also offers additional materials to assist the installation and start-up of OptiTire such as the [System Description](#) and a dedicated [Installation Manual](#).

OPTITIRE COMPONENTS

Electronic Control Unit (ECU)



Bracket for ECU



External wheel module



Valve extension



Balancing plate



Adapter cable



Display



Connecting cable for truck

Connecting cable for trailer



The diagnostic software OptiTire V4.00 is required to parameterise the new OptiTire ECU.

Please get in touch with your local WABCO contact for more information or visit us on the Internet at [WABCO OptiTire™](#).