



# TIRECHECK™

## Tire Pressure Monitoring System



**DRIVERS CAN NOW EFFORTLESSLY CHECK TIRE PRESSURES WITHIN SECONDS!**

- ✓ TPMS made easy!
- ✓ Compatible with Trailer EBS Systems!
- ✓ Easy Sensor Replacement!
- ✓ Made in Germany!

### TPMS SENSORS

Designed specifically for commercial vehicles, TireCheck TPMS sensors capture precise tire pressure and temperature data.



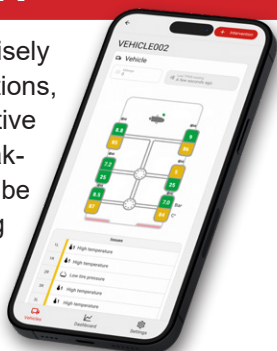
### COMMUNICATION DEVICES

TireCheck communication devices are designed to offer seamless integration of a TPMS system and ensure reliable data collection and analysis.



### INTIRE APP

TireCheck INTIRE App precisely displays individual tire conditions, enables analytics for preventive maintenance to prevent breakdowns. The INTIRE App can be used by many users including drivers, management and service technicians.



### SENSOR ATTACHMENT STRAP

The Sensor Attachment Strap fixes the Internal Strap Mounted TPMS Sensor securely on the inside of the rim with the proven velcro fastening system.



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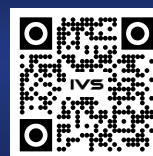
## VEHICLE SOLUTIONS



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# PRODUCT TECHNICAL INFORMATION

## Suitable for: Light, Medium and Heavy Duty Commercial Vehicles

### INTERNAL STRAP MOUNTED TPMS SENSOR

The Internal Strap Mounted TPMS Sensor provides the easiest, fastest and most reliable assembly to the wheel through the patented TireCheck velcro strap, ideal for OEM assembly lines or larger retrofit projects. The sensor measures tire pressure and temperature directly on the wheel and transmits the data every 40 seconds to the communication device.



ITEM	DESCRIPTION
<b>PART NUMBER</b>	<b>030263</b>
PRESSURE RANGE	0 - 12 Bar
OPERATING TEMPERATURE	-40°C to +125°C
SPEED LIMIT	Up to 100 km/h
RADIO FREQUENCY	433,92 MHz
LF-TRIGGER FREQUENCY	125 kHz
POWER SUPPLY	3V Battery
TYPICAL BATTERY LIFETIME	5 Years
WEIGHT	18 g
DIMENSIONS	27 x 10 x 56 mm
DATA TRANSMISSION	40 sec. Interval
COUNTRY OF ORIGIN	Germany

**COMMUNICATION:** Radio Frequency

### EXTERNAL VALVE MOUNTED TPMS SENSOR

The External Valve Mounted TPMS Sensor mounts directly to standard brass truck tire valves, allowing for fast fitment without requiring demounting of the tire. Suitable for most wheel designs, the TPMS sensor transmits ambient temperature and tire pressure to the receiver every 2 minutes.



ITEM	DESCRIPTION
<b>PART NUMBER</b>	<b>030405</b>
VALVE MOUNT	Metal Valve w VG8 / 8V1-2 thread
PRESSURE RANGE	0 - 12 Bar
OPERATING TEMPERATURE	-40°C to +85°C
SPEED LIMIT	Up to 100 km/h
RADIO FREQUENCY	433,92 MHz
LF-TRIGGER FREQUENCY	125 kHz
POWER SUPPLY	3V Battery
TYPICAL BATTERY LIFETIME	5 Years
WEIGHT	36 g
DIMENSIONS	30 x 27 x 44 mm
COUNTRY OF ORIGIN	Germany

**COMMUNICATION:** Radio Frequency

### SENSOR ATTACHMENT STRAP

The Sensor Attachment Strap fixes the Internal Strap Mounted TPMS Sensor securely on most wheels.



- Fastest and most advanced sensor attachment to wheel
- Minimized risk for sensor damage during tire de-/mounting
- Protection against contamination of sensor
- Fits to most single-piece wheel designs
- Requires no specialized tool to tension the Sensor Attachment Strap
- Reusable and corrosion free

### CAN BRIDGE

The TireCheck RF to CAN-bus TPMS Bridge receives tire pressure sensor data via radio frequency and transmits it to the vehicle CAN-Bus. This enables the integration of a TPMS solution into the existing vehicle Can-Bus architecture according to J1939 and ISO 11992. This TPMS solution has been designed according to OEM requirements and ensures vehicle compliance with European ECE-R141 TPMS legislation.



ITEM	DESCRIPTION
<b>PART NUMBER</b>	<b>030303</b>
OPERATING TEMPERATURE	-40°C to +85°C
RADIO RECEIVER FREQUENCY	433,92 MHz
RADIO FREQUENCY	SAE J1939 and ISO 11992
CAN-BUS COMMUNICATION	SAE J1939 and ISO 11992
POWER SUPPLY	12 V to 24V DC
WEIGHT	About 200g
DIMENSIONS	145 x 82 x 28 mm

**COMMUNICATION:** Radio Frequency, Bluetooth, Can-Bus

### INTIRE APP

INTIRE is a versatile application designed as a practical tool for efficient fleet and tire management. It is compatible with Android/iOS devices (smartphones and tablets) as well as computers. Depending on the settings, the application offers various features for fleet management and tire management, including inspection, services, TPMS setup and management and user management.



The goal of INTIRE is optimised fleet processes and provide efficient fleet management. The application serves as an informative resource, assisting businesses in effectively organising and managing their fleets mainly designed to work with TireCheck TPMS Hardware, to build one complete working tire pressure monitoring system. It is specifically tailored for tire service centers, enabling them to provide fast and reliable tire services.

INTIRE provides complete visibility of fleet operations through precise real-time information, including relevant data such as tire pressure and temperature.

- Significantly reduce downtime
- Increase vehicle safety
- Ensure optimum tire management
- Monitor and control fuel consumption & spending
- Enable proper service planning

An effective tire policy saves fleets substantial amounts of time and money, contributes to a successful environmental policy and helps protect employees. Until now, cost has been a significant barrier to fleets in acquiring robust fleet management software.



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