

Tire pressure sensor QTIS-TPMS-....*

Setting the correct tire pressure means that you must know the precise pressure in the tires at all times, and this is not accurate if you measure the air pressure of the flowing air in a supply line. For this reason, QTIS has decided to adapt a TPMS sensor and mount it in the tire for reliable pressure measurements.



The tire pressure sensor with NXP chip has been adapted for the use in Central Tire Inflation Systems with a 4 times higher battery capacity (1000 mAh) and improved reactivity to pressure changes (signals every pressure change of 0.05 bar) for fast feedback and > 6 years service life (@ 5 pressure cycles/day, 300 days/year). The TPMS sensor uses 433 MHz radio frequency to transmit not only the tire pressure, but also the tire temperature and battery status. The sensor can be linked to the tire location with QTIS control software. Suitable for pressures of 0-8 bar, and temperatures of -40°C - +80°C.

The TPMS sensor comes with a hose clamp for mounting around the rim. Determine the required hose clamp length and contact us for the part number. This sensor is mainly intended for serial installation in the rim-tire assembly.

* (-.... stands for the hose clamp length)

Tire pressure sensor QTIS-TPMS-EXT surface-mounted

QTIS also has tire pressure sensors available that can easily be screwed onto the standard TR618A valve in the rim. With the externally mounted TPMS sensor QTIS-TPMS-EXT you can measure tire pressures without taking the tire of the rim. This mounting method outside the tyre is slightly more vulnerable than in the tire, so we recommend using the built-in version where possible, or creating a mechanical protection for the sensor. You can use the QTIS-TPMS-EXT sensor as a backup sensor for the built-in pressure sensors incase of insufficient battery power.



The battery of the QTIS-TPMS-EXT sensor has an estimated lifespan of 2 years (@ 5 pressure cycles/day, 300 days/year) but can easily be replaced if the CR2050 battery indicates via the screen in the tractor that the battery voltage is too low has become.

Signal amplifier QTIS-REPEATER

The QTIS REPEATER amplifies the signal strength (433 MHz to 433 MHz) of the tire pressure sensor to cover a greater distance between the tire and the QTIS-RECEIVER. Typical application is mounting the QTIS-REPEATER on a trailer so that the signals can reach the tractor. Sturdy IP67 housing with Molex 34968400 female connector, for accommodating a wiring harness connector with Molex 349674000 male connector. Metal tubes in the mounting feet allow risk-free M6 mounting on the vehicle frame. The supply voltage can be. A 2000mm cable with a male connector is included to supply the QTIS-REPEATER with vehicle power 9-33 VDC.



Note: Repeater and receiver housings are identical except for pin configuration. The products are marked on the back.

Signal receiver QTIS-RECEIVER

The QTIS RECEIVER is intended for stand-alone use on a tractor or in combination with trailers equipped with QTIS TPMS sensors and with the QTIS REPEATER and is designed for use with the QTIS control software.

The QTIS-RECEIVER receives nearby TPMS signals from the tractor tires and the amplified signals from the QTIS-REPEATER from the trailer tires and converts them into CAN J1939 code to be connected via the CAN bus to the QTIS-ECU control unit or the tractor/trailer manufacturer.



A sturdy IP67 housing with a Molex 34968400 connector, for receiving a wiring harness with Molex 349674000 connector. The connector provides the power supply of 9-33 VDC and the CAN connection. A 2000mm cable is included. Metal tubes in the mounting feet ensure risk-free mounting on the vehicle frame.

Op aanvraag: STEP files
 Aansluiting schema
 TÜV en CE certificaten.

