



## MELEXIS ENABLED WORLD'S FIRST TPMS INTEGRATED BY OEMs WITH BLUETOOTH® TECHNOLOGY

A tire-pressure monitoring system (TPMS) provides numerous benefits for the end user through proper control of the pressure of the tires, - think about bettering fuel economy, reducing braking distance, decreasing tire wear and most importantly reducing the risk of getting into an accident - which is why it's

becoming a must-have for OEMs and is now imposed by several governments already. Melexis recognized these benefits and conceived a well-rewarded innovative system, which also enabled the world's first TPMS integrated by OEMs with qualified Bluetooth® wireless components.



### The Melexis solution

The successful solution is based on Melexis' Tire Monitoring Sensor (TMS) Integrated Circuit (IC) featuring a tiny DFN-14 package (4 x 5 mm) and ultra-low power operation from 3.6 V down to 1.8 V (90 nA sleep current).

Melexis offers a complete Reference Design Board (RDB) based on a qualified Bluetooth® Low Energy (LE) transceiver and a complete HW/SW design reference, from PCB to software including LF/RF performance optimization. In essence, our goal is to shorten your development time and effort.



#### Benefits of Melexis TMS IC:

- low power
- smallest package size
- robust multi-axis accelerometer

*"The Bluetooth® word mark is a registered trademark owned by Bluetooth® SIG Inc. and is only used herein to indicate that Melexis's TMS may be compatible with a qualified Bluetooth® enabled chip or module."*

### More about our products and solutions

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