



TPMS

Product Description

The TPMS provides a very high level of integration, and is optimized to perform all of the functions necessary to implement a state-of-the-art Tire Pressure Monitoring System (TPMS) sensor module. With its integrated micro controller, sensors, and convenient peripherals, it needs the addition of only a few passive components and a battery to form a complete TPMS sensor assembly.

It also comes with a pressure-auto-ranging feature, which provides best-in-class pressure accuracy between the range of 100 to 1400 kPa.

Product highlights

- System controller with flexible wakeup and power management
- Ultra-low power down current
- Tire pressure monitoring
- Further possible high pressure applications
- Air suspension
- Air brake



TSM

Performance¹

Absolute pressure sensor	100 kPa up to 1400 kPa
Operating temperature	-40-125°C
Burst pressure	2000kPa
Pressure error	±1.4kPa
Temperature Error	±3°C
Supply Voltage Range	1.9-3.6V
Flash Size For code	14kB
Analog output	4-20mA
Environmental Rating	IP67
Load Cycles	100mil
Sampling rate	1ms
Temperature coefficient typ.	≤ ±0.3 % FSO/10K
Long-term stability max.	0.3 % FSO/year

