

BELT SENSOR

RIM TPMS

PRODUCT OVERVIEW

Our real-time TPMS monitors sudden pressure loss using in-tire sensors with a patented, toolless rim-mounted design. The self-powered sensor provides 24/7 transmission, up to 7 years of lifetime, and measures pressure up to 14 bar (203 psi) in harsh environments.

The system also supports tire mileage tracking, encrypted RFID. It's the nylon belt mounting solution.



TECHNICAL DATA



MECHANICAL

Size	86.5x40x20.9mm
Weight	40g (belt not included)
Tightness	IP67
Marking	ISO 11469
Rim Sizes	17.5" to 22.5"
Standard	IPC 1755

MEASUREMENT

Pressure Range	0 to 1400 kPa
Pressure Resolution	5.5 kPa
Pressure Accuracy	±17 kPa (-40 to 85°C)
Temp. Range	-40 to 125°C
Temp. Resolution	1°C
Temp. Accuracy	±3°C (-20 to 25°C)

TEMPERATURE RANGE

Operating	-40 to + 125°C
Storage Battery	0 to 30°C
Battery Lifetime	7 years

RADIO FREQUENCY

RF Protocol	FSK Manchester
Carrier Frequency	433.920MHz ±100ppm
FSK Deviation	±11.5kHz ±2kHz
RF bit-rate	11363 bits/s

LEGAL REGULATIONS

Marking	CE
RF Regulation	FCC/IC RED
RF Regulation	IEC/EN 62368-1