

TIRE TYPE TPMS SENSOR

PRODUCT OVERVIEW

Our real-time Tire Pressure Monitoring System (TPMS) detects sudden pressure loss using wheel-unit sensors mounted inside the tire. The patented tire-mounted solution, integrated in a dedicated rubber container, enables easy tire installation and simplifies field operations.

The self-powered sensor delivers 24/7 data transmission, up to 7 years of lifetime. It also supports tire mileage tracking, load measurement via footprint, and encrypted tire RFID, while protecting the sensor from damage.



TECHNICAL DATA



MECHANICAL	
Size	80x58x22mm
Weight	33g
Tightness	IP67
Marking	ISO 11469
Rim Sizes	Minimum 15" (No max.)
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	8 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