

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		TEMPERATURE RANGE	
Size	80x58x22mm	Operating	-40 to + 125°C
Weight	33g	Storage Battery	0 to 30°C
Tightness	IP67	Battery Lifetime	7 years
Marking	ISO 11469	RADIO FREQUENCY	
Standard	IPC 1755	RF Protocol	FSK Manchester
MEASUREMENT		Carrier Frequency	433.920MHz ±100ppm
Pressure Range	0 to 1400 kPa	FSK Deviation	±11.5kHz ±2kHz
Pressure Resolution	5.5 kPa	RF bit-rate	11363 bits/s
Pressure Accuracy	±17 kPa (-40 to 85°C)	LEGAL REGULATIONS	
Temp. Range	-40 to 125°C	Marking	CE
Temp. Resolution	1°C	RF Regulation	FCC/IC RED
Temp. Accuracy	±3°C (-20 to 25°C)	RF Regulation	IEC/EN 62368-1