

# VALVE 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	86.5x40x20.9mm	Operating	-40 to + 125°C
Weight	40g	Storage Battery	0 to 30°C
Tightness	IP67	Battery Lifetime	8 years
Marking	ISO 11469	RADIO FREQUENCY	
Rim Sizes	17.5" to 22.5"	RF Protocol	FSK Manchester
Standard	IPC 1755	Carrier Frequency	433.920MHz ±100ppm
MEASUREMENT		FSK Deviation	±11.5kHz ±2kHz
Pressure Range	0 to 1400 kPa	RF bit-rate	11363 bits/s
Pressure Resolution	5.5 kPa	LEGAL REGULATIONS	
Pressure Accuracy	±17 kPa (-40 to 85°C)	Marking	CE
Temp. Range	-40 to 125°C	RF Regulation	FCC/IC RED
Temp. Resolution	1°C	RF Regulation	IEC/EN 62368-1
Temp. Accuracy	±3°C (-20 to 25°C)		