

# TWO-WHEELER TPMS SENSOR

## PRODUCT OVERVIEW

Our real-time Tire Pressure Monitoring System (TPMS) detects sudden pressure loss using in-tire wheel-unit sensors. The patented valve-mounted design (90° or straight) enables controlled, torque-defined installation, simplifying manufacturing operations.

The self-powered sensor offers up to 5 years of lifetime and measures pressure up to 3.5 bar (51 psi) in harsh environments.



## TECHNICAL DATA



MECHANICAL	
Size	39.3x24.6x23.7mm
Weight	26g
Tightness	IP67
Marking	ISO 11469
Rim Hole Size	Ø8.5 or Ø11.5
Standard	IPC 1755
Battery	CR2032
MEASUREMENT	
Pressure Range	0 to 350 kPa
Pressure Resolution	1.37 kPa
Pressure Accuracy	±4.5 kPa (-40 to 85°C)
Temp. Resolution	1°C
Temp. Accuracy	±3°C (-20 to 70°C)
Temp. Range	-20 to 120°C

TEMPERATURE RANGE	
Operating	-20 to 120°C
Survival	-40 to 125°C
Storage Battery	0 to 30°C
Battery Lifetime	Depending on Protocol type

RADIO FREQUENCY	
Carrier Frequency	433.92 MHz 315.025MHz (Japan)
RF Protocol	FSK Manchester
Deviation Frequency	±23 kHz
RF bit-rate	11363 bits/s
LF Protocol	ASK Modulation

LEGAL REGULATIONS	
Marking	CE
RF Regulation	FCC/IC RED
RF Regulation	ARIB STD T93