

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