

HOOK SENSOR

RIM TPMS

PRODUCT OVERVIEW

Our real-time TPMS monitors sudden pressure loss using in-tire sensors with a patented, toolless rim-mounted design. The self-powered sensor provides 24/7 transmission, up to 7 years of lifetime, and measures pressure up to 14 bar (203 psi) in harsh environments. This sensor exists in 2 versions: 434MHz and 315MHz (for the Japanese market).

The system also supports tire mileage tracking, encrypted RFID.



TECHNICAL DATA



MECHANICAL	
Size	137x33x22mm
Weight	70g
Tightness	IP67
Marking	ISO 11469
Rim Sizes	15" to 16" (with adaptative sole) 17.5" to 22.5"
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 315.025MHz ±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