

For B2B Wholesale / OEM / ODM Customers – V11B is a Bluetooth Low Energy (BLE 4.0) direct tire pressure monitoring sensor (TPMS) that measures tire pressure and temperature wirelessly via smartphone app (TPMSII). Supports real-time monitoring and configurable alarms.



Bluetooth Low Energy

BLE 4.0, 2.4 GHz wireless connection to smartphone



Pressure Monitoring

100-1300 kPa range with ± 10 kPa accuracy



Temperature Sensing

Real-time tire temperature with ± 3 °C accuracy



TPMSII App

iOS & Android support with configurable alarms

Specifications

Weight: 8 g ± 1 g
Waterproof: IP67
Battery: 140 mAh

Key Specifications

Sensor Type	External tire pressure sensor	Wireless	BLE 4.0, 2.4 GHz
Pressure Range	100-1300 kPa	Pressure Accuracy	± 10 kPa
Temperature Accuracy	± 3 °C	Response Time	≤ 5 s
Operating Temp	-30 °C to +80 °C	Waterproof Rating	IP67
Battery	3 V, 140 mAh (outer sensor)	Battery Life	3-5 years (typical)
Weight	8 g ± 1 g	Transmitting Power	0 dBm max.

App & Compatibility

- App: **TPMSII**
- Android & iOS (BLE 4.0+)
- Units: PSI/kPa/bar, °C/°F

Installation

- Install on valve (LF/RF/LR/RR)
- QR scan or Auto Pairing
- Tighten anti-theft screw

In the Box

- Sensor(s), screw(s), wrench
- QR code card
- User manual

Highlights

- Direct TPMS monitoring via BLE 4.0
- Configurable pressure/temperature warnings
- Low-power design, multi-year battery life
- Real-time display and alarm notifications
- IP67 water resistance for outdoor use
- Fast response time: ≤ 5 seconds

Notes: Installation should be performed by a professional technician when possible. After installation, check for tire leakage. Specifications are subject to change; refer to the actual product label and the latest documents for your batch.