

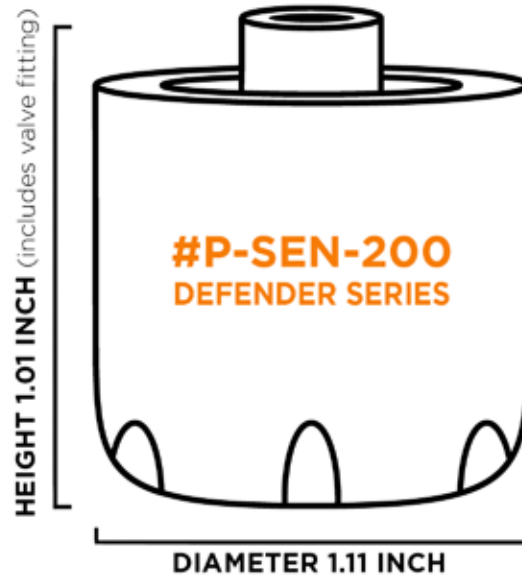


# DYNAMIC SENSOR

#P-SEN-200 DEFENDER SERIES

The release of PressurePro's Dynamic Sensor marks another revolution in TPMS. Arming users with the market's first intelligent Sensor technology, the Dynamic Sensors are built with internal logic to evaluate pressure fluctuations over time and determine optimum tire operating parameters. The Dynamic Sensors also feature increased temperature resolution (1.5C) and increased pressure accuracy. Additionally, they provide an automatic increase of sampling and reporting during severe working conditions, all while maintaining the same superior battery life, performance, durability and reliability that makes PressurePro, **the Global Standard in TPMS.**

The DEFENDER series now protects against environmental factors by adding an epoxy resin injected directly into the sensor housing, safeguarding against ingress of potential corrosives and providing an additional layer of protection.



**SENSOR WEIGHT** | 21.2 grams/.74 ounces

**CONFORMITY TESTING** | FCC, IC, CE, RoHS

**ENVIRONMENTAL TESTING** | Select J1455 and MIL-STD-810G

**SENSOR TRANSMIT RANGE\*** | Approximately 100m (line-of-sight)

**RF TRANSMISSION** | 433.92 MHz

**TEMPERATURE RANGE\*** | -20° to 70°C Operating, -40° to 150°C Excursion

**TEMPERATURE RESOLUTION** | 2.5°F/1.4°C (±5°F/2.8°C)

**SAMPLING/REPORTING** | 7 sec/5 min (<150°F), 5 sec/3.5 min (>150°F)

**POWER** | 3V Lithium Coin Cell Battery (internal, non-rechargeable)

**SENSOR PRESSURE RANGE\*** | Operation 8-208 psi/Survivability 0-299 psi

**PRESSURE RESOLUTION\*** | 1 PSI/6.9 kPa (±2-3 psi/13.8 kPa)

**INSTALLATION** | Male threads, screws directly into large bore valve stem

**SENSOR INSTALL TORQUE** | 13.3 in-lb (1.5 N-m)

**MANUFACTURING** | **Designed and Manufactured in the USA**

**ADDITIONAL INFORMATION** | **Sensor is potted for added durability**

Sensor transmission range is dependent on the vehicle environment and receiver antenna location.

Operating Temperature Range refers to the range the Sensor would be expected to survive over an indefinite duration. Specifically, this refers to the temperature limit inside the housing of the Sensor.

Excursion Temperature Range refers to the environment that the Sensor has been tested and known to survive in for short durations. Specifically, this refers to the survivability of the Sensor housing. Prolonged exposure to temperatures outside the Operating Temperature Range, even if within the Excursion Temperature Range, can result in Sensor failures.

Sensor Pressure Survivability refers to the physical survival of the Sensor. Sensors employ an internal seal tested to survive up to 299 psi. The Sensor is not guaranteed to function if exposed to pressures above the Operating Pressure Range.

PressurePro Sensors are officially rated at ±3 psi (20 kPa). This limitation is a factor of the chipset used within the Sensor. In practice, PressurePro has found the variance in Sensors to be within 2 psi in most conditions.