

# TIRE BURST DETECTION

## INTELLIGENT TIRE SOLUTIONS

The future of tire monitoring holds many opportunities through advanced vehicle technologies being developed today. The Tire Burst Alert is a revolutionary addition to Sensata's Intelligent Tire Solutions portfolio. Leveraging our existing tire pressure and temperature technology, this added feature detects and signals to the vehicle within milliseconds after a tire burst event has occurred. This nearly real-time signal can be used to enhance vehicle Advanced Driver Assistance Systems (ADAS), enabling an impact reduction response to a tire blow-out in fractions of a second, faster than the driver would be capable of performing.



### Features

- Specific changes to pressure and temperature indicate a tire burst event within milliseconds of occurrence
- 433MHz & 2.4GHz capable

### Benefits

- Can be used in conjunction with other systems to reduce the impact and severity of accidents caused by tire blowouts
- Provides a new data input to vehicle ADAS algorithms, making them more effective and increasing the safety of driver and passengers

## SPECIFICATIONS

<b>Pressure Range</b>	0-800kPa*
<b>Temperature Range</b>	-40°C to +125°C
<b>Max Speed</b>	350kph* (For both clamp in and snap in)
<b>Sensor Battery Life with Tyre Burst</b>	10 Years/200,000km( at least 6years/150,000km)
<b>Response Time</b>	300ms*
<b>Pressure and Temp accuracy</b>	Pressure accuracy: ±5kpa Temperature accuracy: ±3°C

\*Contact Sensata to discuss specific capability needs beyond those listed

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