The wheel unit sensors are mounted to the valve on the inside of the rim. They are mounted with an adjustable angle, making them suitable for almost any rim configuration.

**Features**

**TIRE PRESSURE MONITORING:**
- General Safety Regulation (GSR) compliant (Europe)
- Tire pressure by wheel location
- Temperature compensated pressure sensing
- High pressure / low pressure warning
- High temperature warning
- Spare tire monitoring

**AUTO-LOCATION:**
- Automatic location of all tire sensors to correct wheel positions, eliminating need for manual programming of tire sensors.

**TIRE FILL ASSIST:**
- Allows vehicle operator to fill tire to exact, temperature compensated, pressure rating.
- Removes the need for a separate pressure gauge.

**TIRE LOCK WARNING:**
- Warning when a tire does not rotate
- Can be combined with a lowered position of a tag / lift axle

**TIRE BURST WARNING:**
- Detects fast pressure drop caused by tire blow out
- Sends a warning signal, including specific tire location
- Allows for vehicle reaction control upon a tire burst event

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Sample Rate</th>
<th>Temperature</th>
<th>Every 15 sec</th>
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</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>Every 15 sec (&lt;200ms at Tire Burst)</td>
<td></td>
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<tr>
<td>Motion</td>
<td>Every 15 sec</td>
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<thead>
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<th>Transmission</th>
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<td>Event Mode</td>
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<td>Stationary Mode</td>
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<table>
<thead>
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<th>Functionality</th>
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<td>Frequency</td>
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<td>Temp Range</td>
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<td>Pressure Range</td>
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<td>Pressure Accuracy</td>
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<td>Battery Life</td>
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**Functionality**

- Tire Pressure
- Tire Temperature
- Battery Warnings
- Temperature Compensation
- Auto Learn
- Tire Lock Warning
- Tire Burst Warning
- Tire Fill Assist
## VMS MOUNTING

### Flexible Valve Angle

>100° adjustable valve angle accommodates diverse valve types

- Mount valve to rim
- Place sensor against rim and install M6 screw
- Torque screw to complete installation

## VMS CALIBRATION & PAIRING

### Manual Learn

**Overview:** A manual learn system requires each tire sensor to be programmed with a Low Frequency tool in order to pair the sensor with tire location and to the specific gateway.

**Advantages:** Lower overall system cost based on complexity and lower component count.

**Disadvantages:** Requires purchased of low frequency tool to be used for servicing tires in the system.

### Auto-locate

**Overview:** A auto-locate system uses Sensata patented wireless auto-location (WAL) and phase auto-location technology (PAL) to automatically locate and program tire location and pair to ECU.

**Advantages:** No additional tool is required to program the tire sensor and location for tire service.

**Disadvantages:** Requires additional External Receiver module to provide reliable WAL sensing.