

LSM TyreGuard® SL360™

INTEGRATION WITH ADVANCED TYRE MONITORING SYSTEMS

Real time tyre temperature and pressure reporting and alerts for single truck and trailer 'Drop & Hook' fleet applications.



SIMPLE AND PRECISE

The LSM TyreGuard® SL360™ tyre pressure monitoring system provides real-time tyre pressure and temperature data and alerts for both truck and trailer.

The system seamlessly drops and adds a new trailer to the monitor without the need for driver interaction.

The LSM TyreGuard® SL360™ is comprised of wireless, valve stem-mounted tyre pressure sensors that communicate with the in-cab display. The One-Click™ trailer transceiver stores trailer tyre information that is also communicated wirelessly to the in-cab display.

When a truck connects to a new trailer, a wireless handshake occurs, and both truck and trailer tyre pressure data is available on the in-cab LSM TyreGuard® SL360™ display.

Tyre pressure and temperature data can also be accessed from the One-Click™ trailer transceiver using the LSM TyreGuard® SmartLink™ multi-function tablet.



LOW PRESSURE ALARM

ALERTS

When pressure or temperature limits are incorrect, the system will signal an alarm alerting the driver to the problem and its location on the rig or tyre group (low loaders).

Level I Low Pressure warning:

Issued when a 12.5% drop from the programmed baseline tyre pressure occurs.

Level II Low Pressure warning:

Occurs when a 25% drop from the programmed baseline tyre pressure takes place.

FastLeak™ warning:

Triggered when the pressure drops by 19.3 Kpa in less than 12 seconds, regardless of the baseline tyre pressure.

High Pressure alarm (optional):

This can be set to provide warnings with a 25% increase over the programmed baseline tyre pressure

High Temperature warning:

Triggers a "HOT" wheel over temperature alert >80°C .



FASTLEAK™ ALARM



HIGH PRESSURE ALARM



HIGH TEMPERATURE ALARM

PREVENT ACCIDENTS - REDUCE COSTS

- **Tyre Service Life / Fuel Economy:** Maintaining optimum set- point pressures mean tyres and tread last longer and reduce fuel consumption.
- **Increased Safety:** Avoid tyre fires (locked brakes / bearing failures, tyre under-inflation) and potential accidents.
- **Braking / Traction / Control:** Correct tyre inflation maximises control in both dry and wet conditions.
- **Cost downs / Productivity / Tyre Checks:** Targeting tyres that require re-pressurisation saves on labour and associated productivity loss.
- **Equipment Damage Control:** Catastrophic tyre failure, roll-overs and tyre explosions (pyrolysis).

WIDE RANGING BENEFITS FOR FLEETS

EASY INSTALLATION

- Installation and programming of the LSM TyreGuard® SL360™ can be performed in as little as 1 hour per truck or trailer.

COST SAVING

- Maintaining proper tyre inflation maximises tread life and allows casings to be re-capped multiple times.

EASY TO USE

- Quick reference Green Means Good™ (patented) LED light gives drivers continued confidence that tyres are inflated properly.
- Real time, tyre pressure information is available at the push of a button, making pre-trip and post-trip inflation checks easier, accurate and more efficient.
- Visual and audible warnings notify the driver of the specific tyre position that is in an alarm condition.

LSM TyreGuard® SMARTLINK™ TABLET

The LSM TyreGuard® SmartLink™ TMSystem Tablet offers several options that make tyre maintenance more accurate and efficient. Using the LSM TyreGuard® SmartLink tablet, tyre sensor temperature and pressure data can be accessed and stored quickly during walkarounds either from individual sensors or from all sensors via the One Click Transceiver.

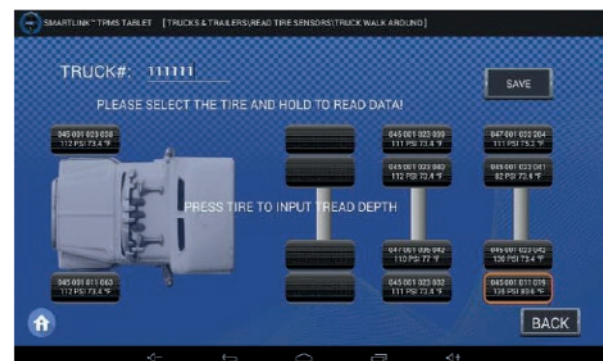
Additional data such as tread depth, tyre serial number and even photos of tyre and wheel condition can be taken during inspection and entered into the LSM TyreGuard® SmartLink Tablet.

All of the data can be saved for each piece of equipment to be transferred off the tablet to a tyre maintenance software program.

MORE FEATURES

- The patented Sleep Mode setting continues to monitor tyre pressure when the ignition is turned off, so that current tyre pressure information is visible when the ignition is keyed on.
- The LSM TyreGuard® SL360™ SmartLink™ system is also available with RS-232 connection to interface with third party mobile communication systems or to the vehicle's CAN-bus network using J1939.
- LSM TyreGuard® tyre pressure sensors allow for truck and trailer walk-around tyre inflation checks using the LSM TyreGuard® SmartLink™ Tablet.

Detailed LSM
TyreGuard®
SL360™
specifications
are on our
website:



VEHICLE WALK-AROUND

COMPONENTS



MONITOR/DISPLAY

- Power Requirement: 12 / 24 Vdc
- Current Draw at (eg at 12 Vdc): Normal Mode: <77 mA
- Alarm and Backlight: <115 mA
- Sleep Mode: <70 mA
- Tyre Positions: 20 x tyre positions mapped for the truck and up to 7 x axles with 28 wheels / tyres on trailer
- Dimensions: W 144 mm x L 55 mm x D 29 mm
- Weight: 153 g



ONE-CLICK TRANSCEIVER

- Dimensions: W 124 mm x H 178 mm
- Modulations Mode: FSK
- Operating Frequency: 434.10 Mhz
- Input Voltage Range: 12/ 24 Vdc
- Current Draw: 75mA at 12/ 24 Vdc
- Operating Temperature Range: -40° C to +85° C
- Weight: 454 g with cord



REMOTE ANTENNA KIT

- Cable: coaxial
- Length: 3 m or 10.5 m



WIRELESS TYRE PRESSURE SENSORS

- Pressure Range: 69 to 1300 kpa (10 to 188 psi)
- Accuracy: +/- 13.8 kpa (2 psi) over the pressure range
- Operating Frequency: 434.10 Mhz
- Operating Temperature Range: -40° C to +125° C
- Battery: Lithium-ion, internal, non-rechargeable & non-replaceable
- Low Voltage Shutdown: 2.2 V
- Dimensions: W 29.53 x H 33.1 mm
- Weight: 23.5 g

SPECIAL NOTE: Both Internal and External Mounted Sensors are available.

ALSO AVAILABLE

LSM TyreGuard® SMARTLINK™ TABLET

- Dimensions: W 286 mm x H 191 mm x D 38 mm
- Screen Size: 203 mm
- Weight: 1.25 kg
- Operating System: Android
- Storage Capacity: 3.5 GB
- USB Cable Included



LSM FSM® TELEMATICS AND / OR LSM SENTINEL® (pat.pend.) VSS INTEGRATION



LSM FSM® FLEET SAFETY (TRACKING) MANAGER

LSM TyreGuard® Tyre Monitoring Systems works hand in hand with the LSM FSM® Fleet Safety (Tracking) Manager Telematics System to provide real time data and alerts back to base, ensuring a proactive approach to enhance workplace (and public) OH&S, equipment damage control, maintenance cost-downs and productivity.

LSM FSM® is an in-house world first Australian designed and developed SaaS software that allows users to be provided with more than just fleet tracking, but also integration of LSM product technologies, that can be accessed via any internet connected PC or mobile device. LSM FSM® Fleet Safety (Tracking) Manager is an intuitive web browser interface with single-click access to fleet dashboards, customise reports, compliance tools as well as real-time, user-defined alerts.

It is scalable from a single vehicle or asset up to thousands, providing immediate alerts as required via SMS and email, anywhere in the world, 24/7.

Australian designed and made for Australian industry.



FSM® Fleet Safety
Tracking Manager

LSM SENTINEL® (pat. pend.) VSS (VEHICLE SAFETY SYSTEM INTEGRATION)

LSM TyreGuard® Tyre Monitoring Systems also integrate into the LSM Sentinel® (pat. pend.) VSS Vehicle Safety System.

This is especially advantageous where most vehicle cabins have limited "real estate," avoiding a clutter of monitors or displays. The LSM Sentinel® in-cabin display provides driver / operator alerts for *all* LSM connected OH&S mitigation technologies, all on a single monitor.

Australian designed and made for Australian industry.



LSM Sentinel® (pat. pend.)
VSS Vehicle Safety System

HOW TO ENQUIRE

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