



Discover Real-Time, Advanced Tire Pressure Management

The SmartAir™ tire pressure management system (TPMS) from ConMet Digital helps fleets make informed tire maintenance decisions to extend tire life and improve safety. Real-time visibility of tire pressure is available through the ConMet Digital dashboard or driver mobile app, and users can set alerts for distribution via email and SMS text message.



TAKE ACTION WITH THE DATA TO*:

Modernize Maintenance



- ▶ Reduce tire-related roadside repairs and replacements
- ▶ Optimize fuel efficiency by keeping tire pressure at optimum settings
- ▶ Extend the life of tires in service

Increase Uptime

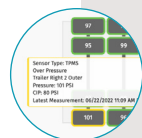


- ▶ Check data from sensors to pinpoint known anomalies and fix prior to trip
- ▶ Streamline pre-trip inspection time
- ▶ Reduce tire-related roadside repairs and replacements

Improve Safety



- ▶ Avoid tire casing failures and tread release due to underinflation
- ▶ Prevent abnormal tread wear and loss of traction due to unbalanced dual tires

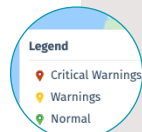


Quickly identify and take action on tire pressure issues

Individual tire pressure updated every 90 seconds

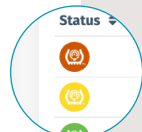


Identify imbalance in tire sets or slow leaks in individual tires



Customize the system to fit maintenance procedures

Determine PSI thresholds for overinflation and underinflation that trigger warning alerts



Warnings include "Alert" and "Critical Alert" status, so proper corrective action can be taken when and where necessary

*The SmartAir TPMS should be used as a supplement to a comprehensive regular maintenance program that includes regular, manual, and visual inspections of assets.

TECHNICAL SPECIFICATIONS

	SmartAir™ TPMS Sensor	SmartTrack™ Communications Gateway
Dimensions (L x W x H)	Pass-through sensor: 1.5 x 0.9 x 0.8" (39 x 23 x 21 mm) Valve cap sensor: 0.7 x 0.8" (17.4 x 21 mm)	3.7 x 2.0 x 0.8" (94 x 53 x 20 mm)
Data sampling rates	Individual tire pressure sampled every 90 seconds	GPS sampled every 2 minutes when gateway is powered; every 24 hours unpowered
Pressure range	20–1300 kPa (3–188 PSI)	n/a
Pressure accuracy	± 1%	n/a
Battery life	5 years	Connected to primary power, back-up battery lasts nine days
IP rating	IP 67 and IP 6k9k	IP 67
Operating temperature	-40° to +203° F (-40° to +95° C)	-22° to +140° F (-30° to +60° C)



Pass-through or valve cap sensor options

Powerful Bluetooth® Connectivity

- ▶ Robust, flexible system used in high-end connected products like smartphones and laptops
- ▶ Bluetooth development community continuously updates their software to enhance security
- ▶ Small antenna allows for a smaller sensor
- ▶ Low energy use extends battery life

ConMet Digital: Advancing Connected Technologies for Heavy-Duty Vehicles



Streamlining Connectivity

A flexible Vehicle Area Network (VAN) integrates sensors and data analytics to seamlessly connect fleets with real-time alerts and data insights.



Expanding Telematics Solutions

The growing ConMet Digital portfolio, among others, includes SmartAir™ TPMS, SmartTrack™ asset management, SmartHub™ wheel end monitoring, SmartAir™ line pressure monitoring, and SmartAir™ axle load monitoring.



Transforming Raw Data into Real Insights

Decades of industry knowledge, engineering expertise, performance data, proprietary algorithms, and cutting-edge machine learning techniques make ConMet Digital's products smarter with every mile.

Featured Product



- ▶ Included within the ConMet gateway
- ▶ Real-time GPS asset tracking
- ▶ Accurate distance tracking
- ▶ Customized geofencing that offers precise departure and arrival alerts
- ▶ Improved asset utilization, fuel economy, and safety