

PressurePro

Real Time Tire Pressure Monitoring

Distributed By



About PressurePro

PressurePro is the “Original” Tire Pressure Monitoring System (TPMS) in the industry since 1991. TPMS technology adds greater safety and savings for all types of vehicles, in a wide variety of industries.



Benefits of Real Time TPMS

- Increased Fuel Efficiency
- Extended Tread Life
- Reduced Carbon Emissions
- Decreased Maintenance Cost
- Reduced Roadside Downtime
- Added Safety
- Enhanced Vehicle Handling
- Greater Stability and Braking
- Less Damage to Casings
- Lower Insurance Costs due to lower accident rate



Improperly inflated tires are a safety hazard!

- Tires are the second most likely cause or contributor to vehicle accidents, accounting for 20.9% of all accidents.
- Tire debris (gators) thrown from vehicles can endanger other vehicles.
- Improperly inflated tires compromise vehicle handling, stability and braking performance, particularly in adverse conditions.

Under-inflation is an Epidemic

Tractors

- 53% of tires are more than 5psi under target
- 7.4% are at least 20psi under target
- 1.4% are more than 10psi over target

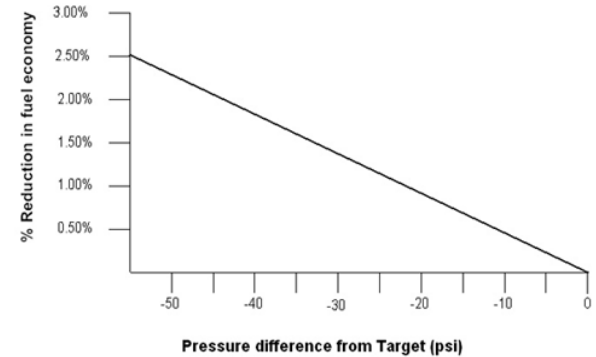
Industry Wide

Trailers

- 67.3% of tires are more than 5psi from target
- 8.7% are at least 20psi under target
- 2.4% are more than 10psi over target

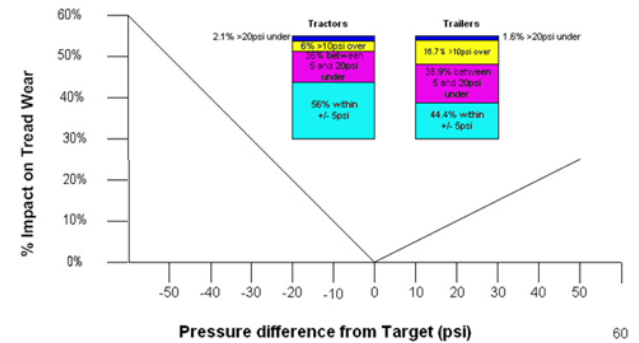
Fuel Economy

- Each 10psi of under-inflation (per tire) causes a fuel economy drop of 0.5%*



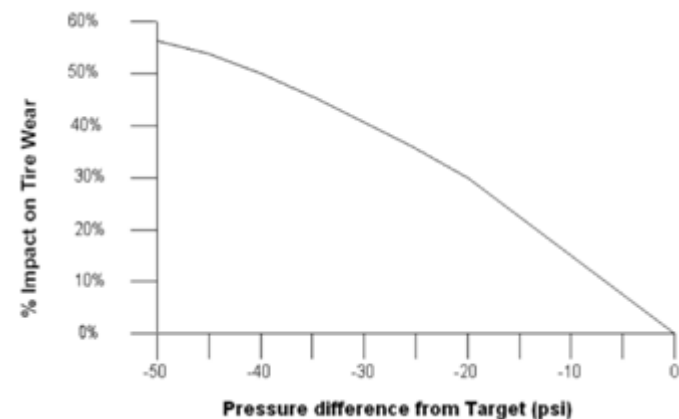
Premature Tread Wear

- 20psi of under-inflation causes a 30% increase in tire wear*



Premature Tire (casing) Life

- 10% under-inflation will reduce tire life by 11%
- 30% under-inflation will reduce tire life by 40%*



Road Calls for Tire Repair/Change

Improper inflation is responsible for approximately 1 road call per year, per truck, thanks to prematurely weakened and worn tires.

- Cost of service truck - \$190 + \$1/mile
- Cost of tire: \$175 - \$525
- Cost of wheel: / \$150 to \$300
- Cost of driver time
- Cost of delayed shipment

Average cost for a single roadside repair:

\$700 to \$900



Cost of Under-Inflation per Year

- Additional fuel cost: **\$454**
- Average 1 road call/yr: **\$375 - \$825**
- Additional tire wear: **\$175 to \$525**
approx 1.1 additional tires
- Additional casing wear: **Loss of casing**
- Driver/mechanic time: **\$500 - \$600**
1 road call + 52 pressure checks
- Misc. Costs: **Accidents due to reduced traction, braking efficiency, decreased handling caused by low tire pressure. Reduced customer satisfaction.**
- **Bottom Line: \$1504 - \$2404** per year

PressurePro TPMS Solution

2 basic components:

Sensors: Screw onto the valve stem of your vehicle's tires, replacing your dust cap, and transmit press readings to your monitor via a coded RF signal.

Monitor: Displays each tire's pressure and sends audible and visual alerts to pressure drops and raises. The Monitor alerts at 3 levels. The first alert occurs when pressures drop by more than 12.5%. A second, more urgent alert, at a 25% drop and a third, variable high pressure alert at your determined threshold.



How does it work?

PressurePro sensors screw on to your valve stems and send tire pressure readings & alerts, via RF signals, to your monitor.



Solution



Monitor sits in cab and provides continuous tire pressure readings and alerts, adding safety, savings & convenience.



Sensors replace dust caps on valve stem and send pressure readings to monitor in cab.



Pictured in use alongside Crossfire equalization system

System Specifications

SENSORS

Pressure Range: 8 to 250 psi

Accuracy: +/- 5%

Temperature Range: -30°C to +85°C

Weight: 2/3 oz.

Dimensions: 1.01" H x 1.11" Dia.

Batteries: Internal, non-rechargeable



MONITORS

Tire Positions: 1 to 64 wheel positions

Dimensions: 6.5" W x 3.0" H x 0.5" D

Power Requirements: 12VDC; approx. 125 mA in standby

Alarm Trigger Settings: 12.5% and 25% below baseline,
upper (variable) level set by user

Advanced Capabilities: RS232, J1708, J1939 capabilities



Real-Time Drop & Hook TPMS Solution

Perfect for multi-trailer
fleets!

PressurePro's Real Time "Drop & Hook" Solution allows any trailer outfitted with PressurePro to attach, and automatically report, tire pressure readings to any tractor with PressurePro installed.

These fully automated Drop & Hook Systems, ***the only of their kind***, provide fleets with the opportunity to add the benefits of PressurePro, and our integrated solutions, to un-married vehicles.

Solution



Intelligent Monitor , which displays pressures in cab, recognizes and reads pressures from trailer automatically when trailer is coupled to tractor.



Intelligent Repeater installs on each trailer and automatically communicates to the Intelligent Monitor when trailer is powered to the tractor.



Integrated Telematics/TPMS Solution

ETS is partnering with leading Telematics Providers to bring to fleets a fully integrated, totally encompassing telematics solution for fleets of all types, including back office management software.

- Engine functionality
- GPS capabilities
- Asset Tracking
- TPMS
- Vehicle Information
- Office based Management Solutions



PressurePro is brought to you by:
Efficient Transportation Solutions (ETS)



ETS offers innovative solutions to transportation companies increasing both their environmental responsibility and profitability

PressurePro TPMS

Real Time Tire Pressure Monitoring

Contact:

Efficient Transportation Solutions

905-594-1235

www.etransportationsolutions.com

admin@etransportationsolutions.com