SmartStem®
wireless tire pressure management system

REVOLUTIONIZING TIRE PRESSURE MANAGEMENT FOR LARGE COMMERCIAL AND REGIONAL FLEET OPERATORS

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Get the full value out of your tires

— The simplicity of the SmartStem® wireless tire pressure management system enables you to perform daily tire pressure checks. The system features maintenance prompts to alert mechanics of required maintenance actions; an Adjust prompt indicates that tire servicing is needed and a Replace prompt indicates a tire change is required. By taking daily tire pressure checks and taking the appropriate actions, you can reduce tire wear and increase the number of landings you get out of your tires. The HandHeld Reader (HHR) also automatically records tire pressure data, which can be downloaded for preventative maintenance analysis and trending. This data can also be used to authenticate tire pressure checks for cost per landing contracts.

Ensure safe operations — Aircraft tires endure heavy loads, high speeds and extreme temperature changes. It is no surprise that aircraft OEMs, tire manufacturers and regulatory authorities all agree that tire pressure should be checked daily to ensure proper tire inflation for your fleet. SmartStem wireless tire pressure management offers confidence that your tires are properly inflated, ensuring safe operations and preventing operational delays. Use the SmartStem system to eliminate in-service incidents and unscheduled removals due to under-inflated tires.

“The 737 fleet has an average of 10 significant tire events per year with 50-70% considered preventable with daily tire pressure checks.” — Wheels and brake engineer

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Simplifying Maintenance Operations

Step 1: Measure Tire Pressure

- HHR displays tire pressure and temperature
- Shows specified service pressures and any recommended maintenance actions

Step 2: Take Action

- HHR summary screen displays actions for all tires on the aircraft *
- Easy-to-read, color-coded display

* Program sensor with aircraft Tail Number & Wheel Position when wheel replaced

SmartStem certification on:
Regional Jet Certifications: CRJ 100/200/440/700 series/900 and DHC-8-100/200/300/400
Large Commercial Certifications: 737NG and 747-400

SmartStem HandHeld Reader eliminates the need for service pressure manuals at the aircraft, simplifying maintenance operations.