



# SmartStem<sup>®</sup>

## Wireless Tire Pressure Measurement System



*Manufactured by.....*



Blue Aerospace, a supply chain management expert company, and Lockheed Martin licensed distributor of F-16 and P-3C worldwide, is pleased to offer stocking distribution of *the SmartStem* wireless tire pressure measurement system manufactured by Crane for operators worldwide.

**SmartStem** is a highly accurate and reliable means for checking tire pressure, and is proven on many aircraft. A wheel mounted sensor communicates tire pressure and other maintenance parameters wirelessly to a convenient hand held reader, which displays the information and stores it for later retrieval, thereby simplifying maintenance operations and providing cost savings.

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## SmartStem Advantage

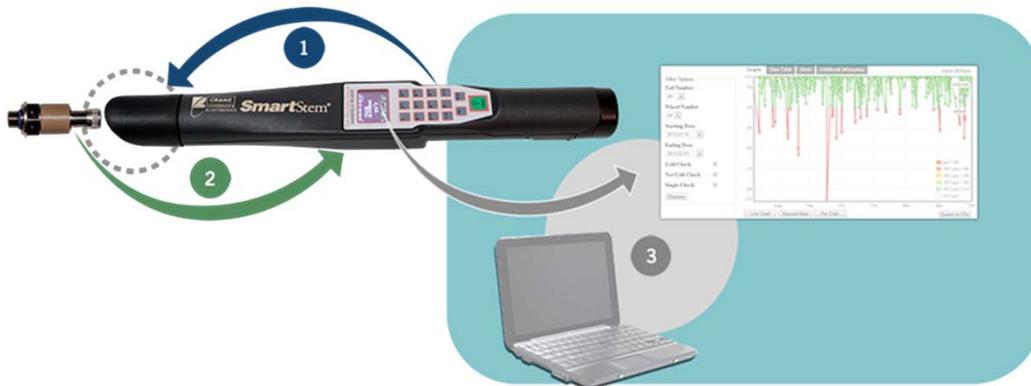
### SmartStem System

- 3 seconds per tire pressure check
- No gas loss possible during check
- No cap removal required eliminating possibility of FOD
- High accuracy ensures tires are properly inflated
- Tire pressure maintenance records are recorded eliminating maintenance documentation errors
- Fast, reliable and convenient tire pressure checks in all conditions

VS

### Manual system

- 80 seconds per tire pressure check
- Checking tire pressure can result in gas loss and measurement errors
- Cap removal can result in FOD
- Manual pressure gauges can vary in accuracy and are not as precise which can lead to tires being not properly inflated
- Task management for record keeping
- Tire pressure checks not easily accomplished in all conditions



1. HandHeld Reader (HHR) communicates wirelessly to **SmartStem** Tire Pressure Sensor (TPS)
2. Sensor outputs tire pressure, temperature, tail number and wheel position digitally displayed and recorded in HHR
3. Tire data records easily transferred to workstation for later trending analysis (**OPTIONAL**)



SmartStem Tire Pressure Sensor installed

- ✓ SmartStem tire pressure sensor replaces standard fill valve
- ✓ Integral electronics provides wireless communication without a battery
- ✓ Accurate and redundant tire pressure and temperature measurement
- ✓ Rugged packaging ensures reliability
- ✓ Never needs calibration
- ✓ Proven with over 20,000 sensors fitted on Boeing 777 and 787 aircraft

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