



**iPRESS™**

**Wireless Tire Pressure Gauge**

# iPRESS™ Wireless Tire Pressure Gauge



Properly inflated tires are key for safe and smooth aircraft operation.

Checking tire pressure can be a

major inconvenience and time consuming to both crew and passengers, all depending on environmental conditions and ease of access to the wheel valve stem.

iPRESS is the solution to make tire pressure checks as easy as answering a phone call.

iPRESS is empowered by the breakthrough Parker Meggitt long range wireless sensing technology. The system is made of a WTPS (Wireless Tire Pressure Sensor) assembly per aircraft wheel transmitting tire pressures and other data to your smart device (iOS or Android OS), via a tire pressure gauging feature integrated in your aircraft manufacturer's App. Beyond usage convenience, iPRESS is designed for easy installation, maintenance and retrofit.

## Key features and benefits

- ✓ **Accurate** tire pressure reading every time **wherever and whenever** you want.
- ✓ **No more painful access** to the wheel valve stem with a manual pressure gauge.
- ✓ **No bespoke reader**, all you need is your smartphone or tablet.
- ✓ Easy **retrofit solution**.
- ✓ **No calibration** required.
- ✓ **Easy system configuration** with your smartphone or tablet.
- ✓ **Easy installation** and maintenance.



# iPRESS™ Wireless Tire Pressure Gauge

## Wireless Tire Pressure Sensor for iPRESS

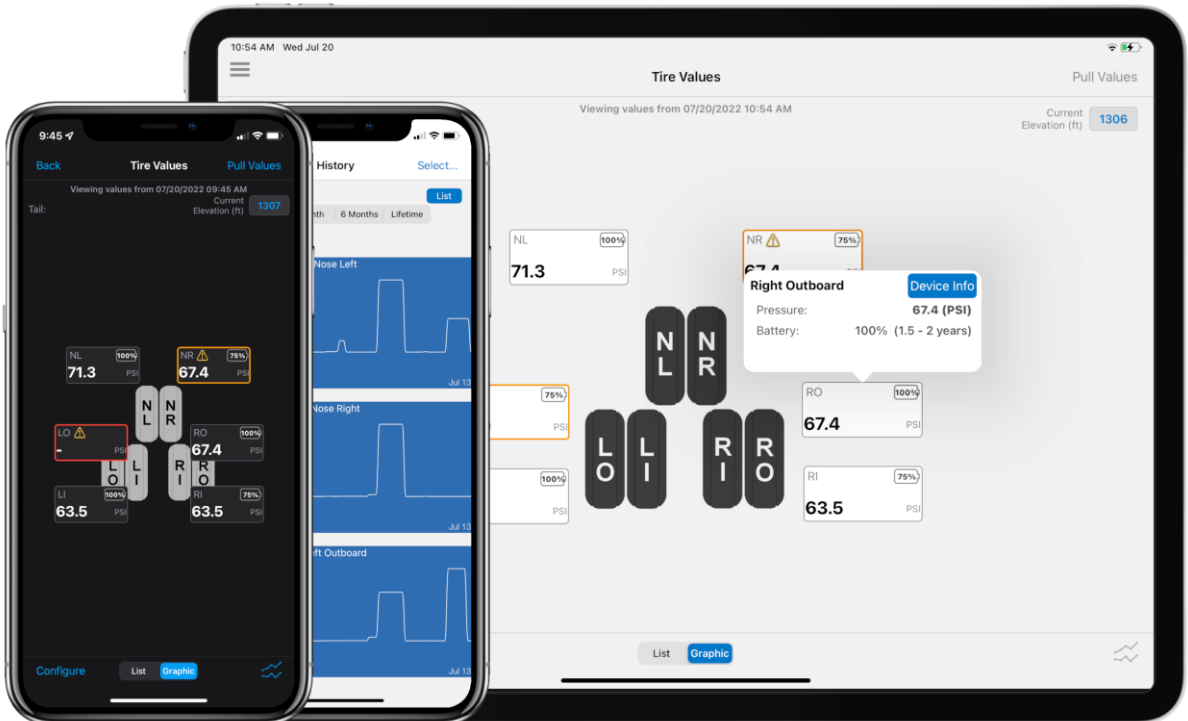


From left to right - wireless pressure sensor device, pressure sensor holder

WTPS assemblies are installed on each aircraft wheels. They are made of a smart pressure sensor device and a pressure sensor holder replacing the original wheel valve stem.

## Smartphone Apps for iPRESS

For the best **iPRESS** experience, Parker Meggitt is partnering with aircraft manufacturers to provide you with the tire pressure gauging feature fully integrated into your aircraft manufacturer's APP on your smartphone or tablet. It allows you to get instantly your aircraft tire pressure, the status of your wheel mounted WTPS devices and the history of your tire pressure measurement in a user friendly interface.



Example of App view on smartphone and tablet (Textron Service App)

## Wireless Tire Pressure Sensor (WTPS) assembly for iPRESS<sup>(1)</sup>

### Pressure measurement

Measurement Accuracy  $\pm 3 \text{ PSI}$

Measurement Range *Up to 250 PSI*

### Wireless data transfer

Protocol *Bluetooth® Low Energy*

Signal emission range *Up to 50m (clear field)*

### Environmental conditions

Operating Temperature  $-4^{\circ}\text{F}/+158^{\circ}\text{F}$  ( $-20^{\circ}\text{C}/+70^{\circ}\text{C}$ )

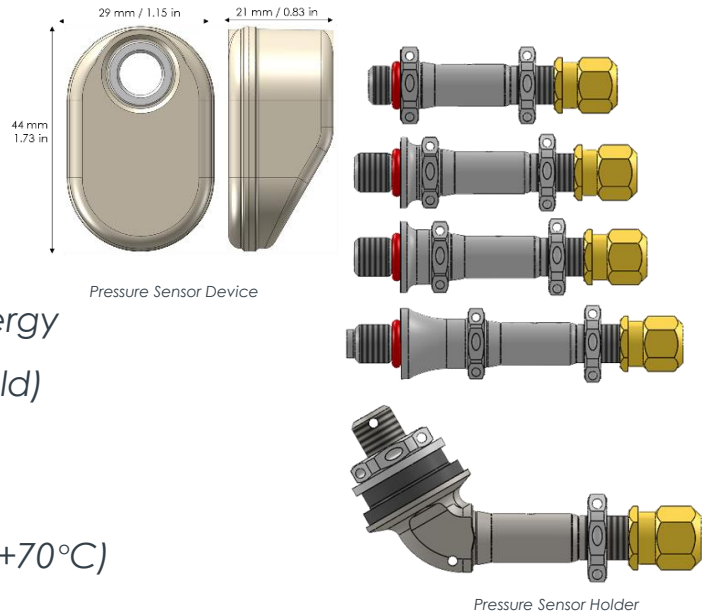
Survival Temperature  $-67^{\circ}\text{F}/+266^{\circ}\text{F}$  ( $-55^{\circ}\text{C}/+130^{\circ}\text{C}$ )

### Qualification

DO-160G harsh environment and ARP-6137 (burst and proof pressure, 2,000g centrifugal forces...)

### Power supply

Pressure sensor device is battery powered (2 years in-service life)



## iPRESS Starter Kit<sup>(2)</sup>

### Aircraft model

Beechcraft King Air 90 series  
 Beechcraft King Air 200 series  
 Beechcraft King Air 300 series  
 Cessna Citation 510  
 Cessna Citation 525C  
 Cessna Citation 560XL

### Starter Kit PNR<sup>(3)</sup>

281-406-001-001  
 281-407-001-001 or 281-408-001-001<sup>(4)</sup>  
 281-407-001-001  
 281-401-001-001  
 281-402-001-001  
 281-401-001-001

The WTPS starter kit is made of a WTPS assembly per wheel to fully equip your aircraft.

Don't see your aircraft listed here? Please contact your aircraft manufacturer for iPRESS compatibility. Parker Meggitt is currently working to add new platforms with various aircraft manufacturers.

1: Due to continuous process improvement, specifications are subject to change without notice.

2: Please contact your aircraft manufacturer to identify the best iPRESS kit for your aircraft.

3: Part Number Reference

4: Depending on the main wheel PNR