

# TDEPG\_WPG User's Manual

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**TDEPG:**            **Transducers Direct Electronic Pressure Gauge**

**TDWPG:**           **Transducers Direct Wireless Pressure Gauge\***

**\*Download the free CirrusSense TDWLB App onto your smart device from the Apple App Store or Google Play for use with the TDWPG**

## **Notes regarding operation of pushbuttons**

1. After the unit is initially turned on, the pushbuttons are disabled for 5 seconds to allow the unit to initialize
2. The pushbuttons are ignored for about 1 second every 30 seconds to allow for the pressure measurement and the update of the Bluetooth Application.

## **Turning the unit on/off**

Press and hold PB2 for at least one second, and the unit will turn on.

The user may press and hold PB2 for five seconds to turn the unit off.

## **When the unit is initially turned on – Programming Mode**

When the unit is initially turned on, all display segments and icons will be turned on for 5 seconds. These 5 seconds will be called the “turn on delay.” After the turn on delay, the unit will begin normal operation. During the turn on delay, programming mode can be entered by pressing and holding PB1 for at least one second. In programming mode, the unit of measure may be changed and the pressure may be zeroed. Note that programming mode can only be entered when the unit is turned on. If the unit is operating normally and the user wants to change the unit of measure, they must turn the unit off and then back on. Also, when in programming mode, the “Service” icon is turned on.

## **Unit of measurement**

Start with unit turned off. Press PB2 for at least 1 second and unit will turn on showing all display segments and icons. Within 5 seconds you must press PB1 for at least 1 second to enter program mode. The first thing you see is “Unit” and the icon for the current unit of measure (psi, MPa, or bar) is turned on. The user may change the unit of measure by pressing PB2 momentarily then PB1 to see “Zero” then PB1 again to start normal operation. There are two decimal places for MPa, one decimal place for Bar and no decimal places for psi.

## **Zero pressure**

Start with unit turned off. Press PB2 for at least 1 second and unit will turn on showing all display segments and icons. Within 5 seconds you must press PB1 for at least 1 second to enter program mode. The first thing you see is “Unit”. Press PB1 again and you will see “Zero”. While in this mode, the user

may press PB2 momentarily to zero the unit then press PB1 momentarily to start normal operation. There should be no pressure on the unit when this action is performed.

### **When the unit is turned on – Normal Mode**

When operating normally, the unit displays the current actual pressure. If the battery voltage falls below 2.7V, the “Low Battery” icon will be turned on, and the display will blink.

The user may press PB1 momentarily to turn on the backlight. The backlight only stays on for three seconds and automatically turns off. While the backlight is on, both buttons are disabled. The backlight is disabled when the battery voltage falls below 2.8V to preserve battery life.

The user may press and hold PB1 for at least 1 second to display the serial number and the firmware revision level. The last four digits of the serial number are displayed. If the user presses and holds PB1 for at least 3 seconds again, the firmware revision level is displayed. Press and hold PB1 for at least 1 second returns to normal operation. If the unit is displaying the serial number or the firmware revision level and no pushbuttons are pressed, the unit will return to normal operation after 30 to 60 seconds.

### **Startup error codes**

If the unit detects an internal failure, the LCD will display an error code for 15 seconds and the unit will then turn off.

In the event the unit displays an error code; the unit must be returned to the manufacturer for repair.

### **Regulatory Compliance for TDWPG**

This device has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by Transducers Direct could void the user’s authority to operate the equipment. FCC ID: 2ACGE-TDWPG.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. IC: 12056A-TDWPG.