

The CirrusSense™ TDWPG Wireless Bluetooth Pressure Gauge



SERIES: TDWPG



DESCRIPTION

Another Industry First! The first *Bluetooth*® certified wireless pressure gauge with long battery life and patent pending design makes the Transducers Direct CirrusSense™ TDWPG a perfect fit for many applications for Industrial and Home Automation.

Download the free app, install the transducer and wirelessly connect - no confusing wiring to figure out.

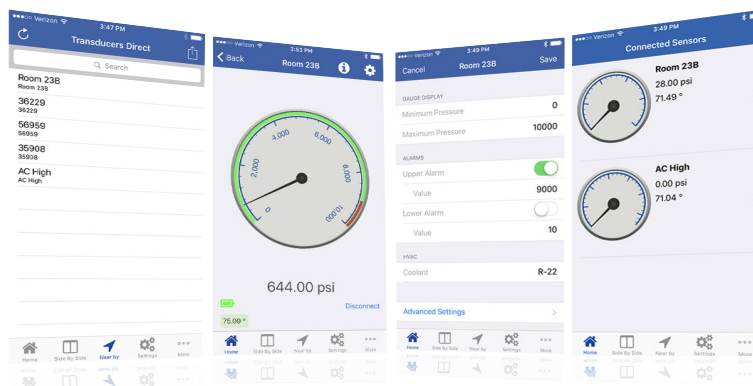
From residential and commercial applications to water, hydraulic and Pneumatic systems, the TDWPG is a better option than standard mechanical gauges. The TDWPG has user selectable units of measure, push button back light and tare function.

Because it is built on Transducers Direct TD1000 proprietary technology, the TDWPG ensures high quality and high accuracy with Transducers Direct's quick deliveries, and low costs.

FEATURES

- Connects to smart phones and tablets with BLE (*Bluetooth*® Low Energy)
- Certified *Bluetooth*® Wireless technology
- Pressure ranges from Vacuum to 10,000 psi
- Long battery life (proprietary technology)
- 0.5% accuracy
- Stainless Steel and high impact polycarbonate construction
- Alarm set points
- Secure field programmable naming
- Patent Pending Design
- NPT, SAE and G ¼ pressure connections

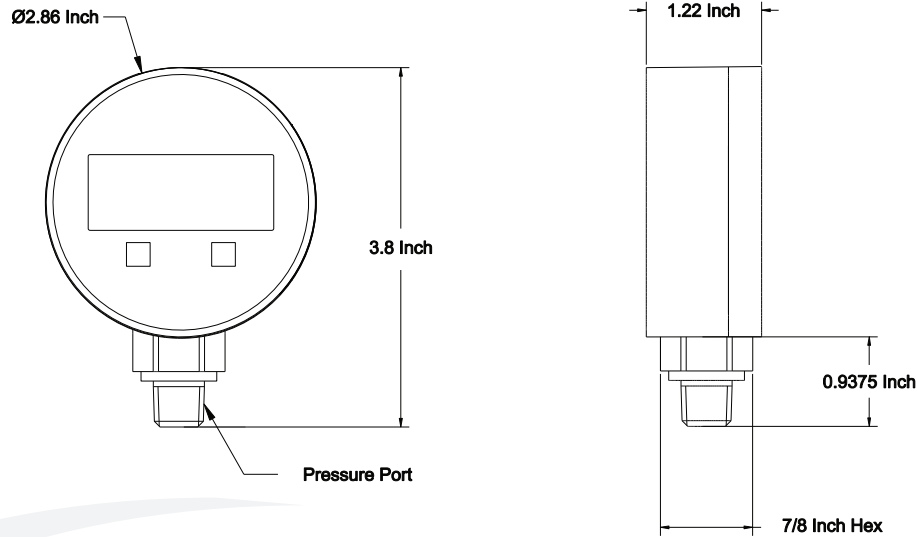
TDWPG APP



Free download at the Apple iTunes App Store and Google Play Play

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Transducers Direct web site, it is up to the customer to determine the suitability of the product in the application.

DIMENSIONS



REGULATORY COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the two following 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.

Changes or modifications not expressly approved by Transducers Direct could void the user's authority to operate the equipment.
FCC ID: 2ACGE_TDWPB

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 ID: 12056A-TDWPB

SPECIFICATIONS
Performance

Performance @ 25°C (77 °F)	0.5% BFSL
Pressure Accuracy	2x Rated Pressure
Overrange Protection	see ordering chart - up to 10,000 psi (690 bar)
Pressure Range	5x or 20,000 psi, whichever is less
Burst Pressure	>100 million
Pressure Cycles	5 seconds
Update Rate	Full 4-digit display
LCD Display	User selectable (psi, MPa, bar)
Units of Measure	150 feet (line of sight)
Connection Distance	

Environmental Data

Temperature	
Compensated Temperatures	-10° to 60° C (14 to 140° F)
Operating Temperatures	-30° to 60° C (-22° to 140° F)
Storage	-30° to 60° C (-22° to 140° F) without battery
TEB	3% BFSL (includes: Non-linearity, Hysteresis and Non-repeatability)
Long Term Drift	0.2% FS/year (non-cumulative)
Shock	40g, 11 ms, 1/2 sine
Vibration	7g, peak, 20 to 2400 Hz
EMI/RFI Protection	Yes
Ingress Rating	IP40 or IP65 with extreme sealing tape

Mechanical Configuration

Pressure Connections	1/4" NPT Male, 7/16-20 UNF Male, G1/4 Male
Wetted Material	All pressure ranges 17-4 stainless steel except 3000psi 316 stainless steel
Housing	High-impact polycarbonate

Electrical Data

Power Supply (Battery)	1 CR2450 (3V), battery life: 12-18 months, typical. Battery life is affected by high and low temperatures. Using the back light increases battery drain. Please contact factory for additional information.
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Compatible Devices

Software:	Android - Version 4.3 or later iOS - Current version and previous one
Hardware:	Android - Device supports Bluetooth Smart (Version 4.0 and later) iPad Gen 3 (released March 16, 2012) iPad Gen 4 (released November 2, 2012) iPad Mini Gen 1 (released November 2, 2012) iPad Mini Gen 2 (released November 12, 2013) iPad Air (released November 1, 2013) iPhone 5 (released September 21, 2012) iPhone 5C, 5S (released September 20, 2013) iPhone 6, 6 Plus (released September 19, 2014)

ORDERING

Series	Pressure Range	Pressure Connection
TDWPG	0500 (psi)	03
	0050	03= 1/4" NPT Male
	0100	09= 7/16-20 UNF Male
	0250	13= G1/4 Male
	0500	**
	0650	
	1000	
	3000	
	5000	
	010K	
	**	

Pressure ranges listed above are quick ship versions.

****= Consult factory for further OEM options.**
All straight-thread o-rings are Viton. It is customer's responsibility to determine compatibility.