The CirrusSense™
TDWLB-LC Series
Low Cost/OEM,
Lightweight
Wireless Bluetooth
Pressure Transducer

SERIES: TDWLB-LC

FEATURES

- Grivory, Industry First, Lightweight
- Connects to smart phones and tablets with BLE (Bluetooth® Low Energy)
- Remote Monitoring Capability Available
- Pressure ranges up to 1,000 psi
- 1% Standard accuracy
- Long battery life
- Alarm set points
- Secure field programmable naming
- Patent Pending Design

SPECIFICATIONS

Performance
Performance @ 25°C (77 °F)
Pressure Accuracy 1% BFSL (includes: Non-linearity, Hysteresis and Non-repeatability)
Overrange Protection 1.5x Rated Pressure
Pressure Range See ordering Code, vacuum to 1,000 psi
Update Time Bluetooth® wireless technology (1sec)

Environmental Data
Temperature
Compensated Temperatures -25°C (-13°F) to 60°C (140°F)
Operating Temperatures -30°C (-22°F) to 60°C (140°F)
Storage Temperatures -30°C (-22°F) to 60°C (140°F)
TEB 3% of FS
Long Term Drift 0.2% FS/year (non-cumulative)
EMI/RFI Protection Yes
Rating IP-67

Mechanical Configuration
Pressure Connections 7/16-20 UNF Female w/ 45° flare & valve depressor, 1/4 NPT, 1/8 NPT, G 1/4
Wetted Material Grivory engineered composite material
Sealing Material Schrader Connection = HNBR, All other pressure fittings Viton

Electrical Data
Power Supply Replaceable battery, battery life: 24+ months, typical. Battery life is affected by high and low temperatures. Battery part number: TDWLB-LC-BAT
Battery Removal If battery pack is removed, you must wait 90 seconds to reinstall
Operating System Requirements iOS 8.0 or later
Android 4.3 or later
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 website, it is up to the customer to determine the suitability of the product in the application.

**TDWLB-LC APP**

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**DIMENSIONS**

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All TDWLB Transducers Contain a Lithium Battery That Must Be Disposed of Properly

**ORDERING**

All straight-thread o-rings are Viton. It is customer’s responsibility to determine compatibility.