Industry First!
The CirrusSense™
TDWLB-LCC Series
Low Cost/OEM,
Lightweight
Cellular Pressure Transducer

SERIES: TDWLB-LCC

FEATURES

- Integrated cellular communication, an industry first
- Measures both pressure and temperature
- Remote Monitoring Capability Available
- Pressure ranges up to 1,000 psi
- 1% Standard accuracy
- Long battery life (rechargeable)
- Optional DC and Solar Powered Versions Available
- Alarm set points
- Remote Monitoring Capability Available
- Receive email and/or text alerts
- Secure field programmable naming of sensors
- Patent Pending Design

SPECIFICATIONS

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

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, Viton*, Ceramic
Sealing Material *Schrader Connection = HNBR, All other pressure fittings Viton

Electrical Data

Power Supply Rechargeable battery, battery life: 12+ months, typical. Battery life is affected by high and low temperatures. One rechargeable lithium polymer (LiPo) battery
*All units ship with one LiPo battery installed
Power Supply Options TDWLB-LCC-BAT-CHARGER: Battery charger, single slot
TDWLB-LCC-SOLAR-PANEL: Solar panel, M8 connector, 13.8"x4.9" Panel Size
TDWLB-LCC-PWR-CABLE: DC Power cable, M8 connector with flying leads, 48" length
TDWLB-LCC-CABLE-SPLITTER: Combination DC power/temperature probe splitter cable, M8 connector, 24" length
TDWLB-LCC-PSUP-Ext-Cable: AC Plug-in power supply, M5 connector, 48" cable length
**= Consult factory for further OEM options.

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