

INNOVATIVE SENSORS

CirrusSense TDWLB-LCC Series Wireless Pressure Transducer with Integrated Cellular Communication



SERIES: TDWLB-LCC

FEATURES

- Industry First Integrated Cellular Communication
- Measures Both Pressure and Temperature
- Remote Monitoring Capability Available
- Pressure Ranges up to 1,000 psi
- Datalogging
- 1% Standard Accuracy

SPECIFICATIONS

Performance

Pressure Accuracy Overange Protection Pressure Range

Environmental Data

Temperature Compensated Temperatures Operating Temperatures Storage Temperatures (without battery) Storage Temperatures (with battery) TEB Temp Probe Temperature Accuracy Long Term Drift EMI/RFI Protection Rating

Mechanical Configuration

Pressure Connections Wetted/Sealing Material Reduced Energy Costs

- Optional DC and Solar Powered Versions Available
- Rechargeable LiPo Battery (included with sensor) and Multiple Continuous Power Options for Extended Life
- Alarm Set Points
- Receive Email and/or Text Alerts

Performance @ 25°C (77 °F) 1% BFSL (includes: Non-linearity, Hysteresis and Non-repeatability) 1.5x Rated Pressure See ordering Code, vacuum to 1,000 psi

-25°C (-13°F) to 60°C (140°F) 0°C (-32°F) to 45°C (113°F) -30°C (-22°F) to 60° C (140°F) -10°C (14°F) to 25°C (77°F) (less than a year) or -10°C (14°F) to 40°C (104°F) (less than 3 months) 3% of FS ± 2° C 0.2% FS/year (non-cumulative) Yes IP-67

7/16-20 UNF Female w/ 45° flare & valve depressor, 1/4 NPT, 1/8 NPT, G 1/4 Grivory, Viton*, Ceramic

*Schrader Connection uses HNBR. It is customer's responsibility to determine compatibility.



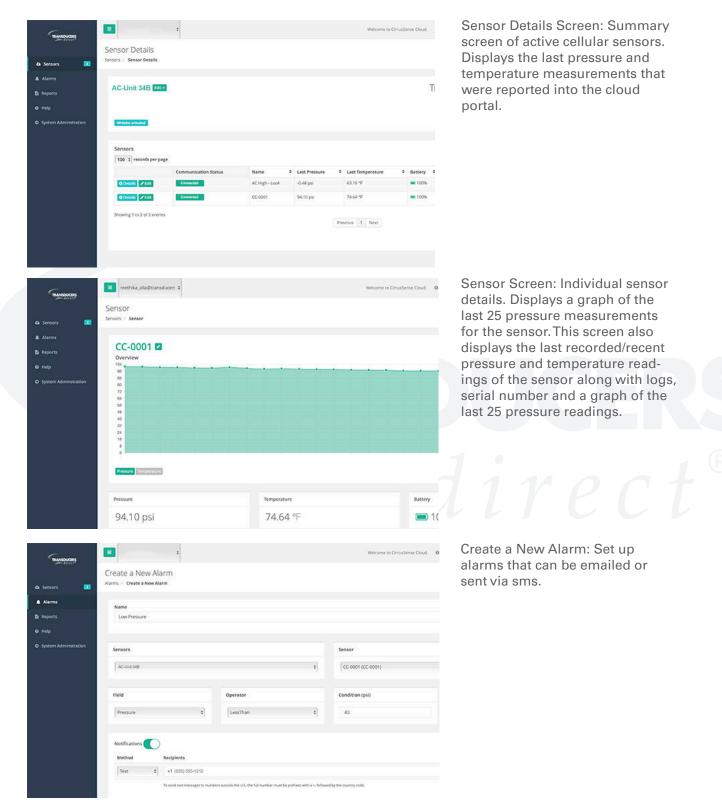
SPECIFICATIONS CONT'D

Power Supply	Rechargeable LiPo battery (included with sensor). Continuous power option required to provide charge to the			
	battery.			
	Choose from the list of power supply accessories. When in use, should continuous power be			
	temporarily lost, the battery serves as a backup power supply for up to 1 week (depending on the Measurement Interval and Heartbeat settings) to avoid downtime. All units ship with battery at 40%.			
Accessories	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			
	TDWLB-LCC-M8-TEMP-PROBE-48: Temperature probe, 48" cable length with NTC connector			
	TDWLB-LCC-SPLITTER-PROBE-POWER REV 3: Splitter cable with power & temperature probe,			
	female right angle M8 connector with temp probe & male straight M8 connector for connecting			
	to solar panel			
	AC Hose for HVAC Appilcations (36, 54, 72 inch options): TDWLB-LCC-AUX-AC-HOSE-36,			
	TDWLB-LCC-AUX-AC-HOSE-54, TDWLB-LCC-AUX-AC-HOSE-72			
	TDWLB-LCC-HOUSING-CLAMP: Sensor mounting clamp for AC units			
	TDWLB-LCC-BAT2: Spare battery			



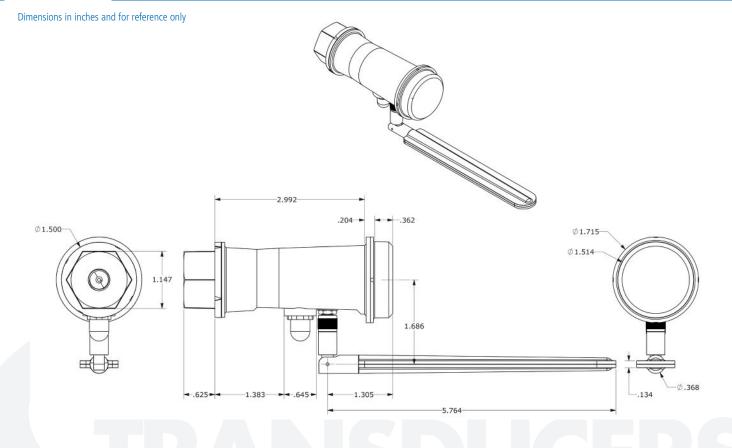
SECURE DATA CLOUD/PORTAL

Portal Screenshot Examples:





DIMENSIONS



ORDERING

Series TDWLB-LCC —	Pressure Range	Pressure Connection – 42	Accuracy	IMPORT A chargi
	0015 0025 0050 0100 0250 0500 0650 1000 **	01 = 1/8 NPT 03 = 1/4 NPT 13 = G 1/4 42= 7/16-20 UNF Female w/ 45° flare & valve depressor (Schrader) **	4 = 1.0%	A charge charge t regulatic shipped

ANT:

ing device is needed to the battery. Due to shipping ons, the battery can only be at 40%.

****= Consult factory for further OEM options.**

Pressure ranges listed above are quick ship versions.

TDWLB-LCC wireless cellular pressure transducers are capable of measuring vacuum (accuracy is based on the fullscale pressure range of the sensor).

Rev 11.22



ACCESSORIES

To charge the battery, you must have either a solar panel, AC plug-in power supply, battery charger with USB connector, or a power cable with flying leads.



Male Straight M8 Connector for Connecting to Solar Panel Part Number: TDWLB-LCC-SPLITTER-PROBE-POWER REV 3

FAX 513-583-9476



ACCESSORIES

To charge the battery, you must have either a solar panel, AC plug-in power supply, battery charger with USB connector, or a power cable with flying leads.



Sensor Mounting Clamp for AC Unit Part Number: TDWLB-LCC-HOUSING-CLAMP



Battery Part Number: TDWLB-LCC-BAT2



AC Hose for HVAC Applications

Part Numbers: TDWLB-LCC-AUX-AC-HOSE-36 (36 inch) TDWLB-LCC-AUX-AC-HOSE-54 (54 inch) TDWLB-LCC-AUX-AC-HOSE-72 (72 inch)