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
- Receive email and/or text alerts
- Secure field programmable naming of sensors
- 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

Environmental Data

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
DIMENSIONS

Dimensions in mm [inches] and for reference only

ORDERING

<table>
<thead>
<tr>
<th>Series</th>
<th>Pressure Range</th>
<th>Pressure Connection</th>
<th>Accuracy</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDWLB-LCC</td>
<td>0500 (psi)</td>
<td>42</td>
<td>4</td>
<td>Blank= standard battery pack</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BC = Include battery charger</td>
</tr>
<tr>
<td>0015</td>
<td>01 = 1/8 NPT</td>
<td></td>
<td>4</td>
<td>PC = include solar panel</td>
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<tr>
<td>0025</td>
<td>03 = 1/4 NPT</td>
<td></td>
<td>4</td>
<td>SP = include DC power cable</td>
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<tr>
<td>0050</td>
<td>13 = G 1/4</td>
<td></td>
<td>4</td>
<td>SP = include DC/Temp splitter cable</td>
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<tr>
<td>0100</td>
<td>42 = 7/16-20 UNF Female</td>
<td>w/ 45° flare &amp; valve</td>
<td>4</td>
<td>AC = include AC plug-in power supply</td>
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<tr>
<td>0250</td>
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<tr>
<td>0500</td>
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</tr>
<tr>
<td>0650</td>
<td>depressor (Schrader)</td>
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<td>4</td>
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<tr>
<td>1000</td>
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**= Consult factory for further OEM options.

Pressure ranges listed above are quick ship versions.

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