**NEW* MAX Range MDT

The new Max Range MDT from Tehama Wireless is an enhanced version of our trusted MDT with three to four times the range inside multifamily structures! Install at large properties with MDT to Repeater ratios exceeding 100 to 1. This means a typical 200 property needs just one or two Repeaters for full coverage. Our Max Range series takes AMR technology to a whole new level.

Like our existing MDTs, it records data from various meter types and transmits the data via radio towards the DCAP. It is compatible with most all utility meters used for submetering, transmitting the meter data every hour.

The standard unit is powered by two AA batteries, yet is still able to provide a five-year battery life under normal operating conditions.

Enhanced features and input options beyond simple pulse counting can be ordered from Tehama Wireless to transmit additional information relevant to submetering in the multifamily housing market including:

- Time of Use (ToU) interval data with time-stamping at 15-minute intervals
- Encoded meter input (Sensus or Neptune)
- Dual input for co-located hot/cold metering, Pulse and Encoded inputs

**Specifications**

| Inputs Options       | Pulse signal from water, electric, gas, run-time, or BTU meters  
|                      | Encoded protocol from Neptune or Sensus (auto detecting)  
|                      | Hersey/Zenner pulse water meter (generated pulse meters)  
| MDT Data Storage     | TW-170B-P: None  
|                      | TW-170xx-PTx: Over 3000 data pts. (28+ days @ 15 Min interval)  
| Data Resolution      | TW-170B-P/E/Y: 1-hour interval  
|                      | TW-170X-PT: 15-minute interval, Top of the Hour synchronized  
| Radio                | 902 – 928 MHz; FCC and IC Certified; Open field range up to 10 miles*  
| LED                  | Indicates on/off and RF network connection status  
| Operating Environment| -20 to 145 degree F, up to 90% RH, non-condensing.  
| Power                | Two AA Alkaline (standard)  
|                      | Two AA Lithium (Optional, for colder temperatures)  
|                      | Sealed primary lithium battery (Submersible)  
| Typical Battery Life | 5 years @ 50 to 90 deg. F, Reduced at extreme temperatures  
|                      | 10 years @ 40 to 100 deg. F (Submersible)  
| Dimensions           | 4.3" x 2.2" x 1.2" (Regular), 6.2” x 2.4” x 1.5” (Submersible)  

Continual product enhancements may cause specifications to change without notice. *Actual range may vary depending on installation location and topography.
Models

<table>
<thead>
<tr>
<th><strong>Battery powered</strong></th>
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<tbody>
<tr>
<td>Pulse MDT, battery powered</td>
<td>TW-170B-P</td>
<td>Single pulse input counter, one-hour interval data, no on-board memory</td>
</tr>
<tr>
<td>Encoder MDT, battery powered</td>
<td>TW-170B-E</td>
<td>Single Encoder (Neptune, Sensus) Register input, one-hour interval, no on-board memory</td>
</tr>
<tr>
<td>Hersey/Zenner MDT, battery Power.</td>
<td>TW-170B-Y</td>
<td>Single short generated pulse input, typical of Hersey or Zenner meters, one hour interval, no on-board memory</td>
</tr>
<tr>
<td>Pulse MDT, ToU, Battery Powered</td>
<td>TW-170B-PT</td>
<td>Single Pulse input, 15-minute guaranteed (*) Time-of-Use interval data with on-board data memory. Readings are synchronized to the top of the hour for accurate billing</td>
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<tr>
<th><strong>Multi-input</strong></th>
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<tbody>
<tr>
<td>Dual Pulse MDT, Battery Power</td>
<td>TW-170B-PP</td>
<td>Dual pulse input counters, one-hour interval data, no on-board memory</td>
</tr>
<tr>
<td>Dual Encoder MDT, Battery Power</td>
<td>TW-170B-EE</td>
<td>Dual Encoder inputs, one-hour interval data, no on-board memory</td>
</tr>
<tr>
<td>Pulse MDT, Internal Temp, Battery Power</td>
<td>TW-170B-PI</td>
<td>Single Pulse input, Internal temperature, 1-Hr interval data, no on-board memory</td>
</tr>
<tr>
<td>Pulse MDT, ToU, Internal Temp, Battery Power</td>
<td>TW-170B-PTI</td>
<td>Single Pulse input, Internal temp., 15-minute guaranteed (*) Time-of-Use interval data with on-board data memory. Readings are synchronized to the top of the hour for accurate billing</td>
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<tr>
<th><strong>Submersible</strong></th>
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<tbody>
<tr>
<td>Submersible MDT, Pulse</td>
<td>TW-177S-P</td>
<td>Single pulse input counter, one-hour interval data. Fully potted for submersible pit meter applications and outdoor environments Separate Data Sheet available on web site</td>
</tr>
<tr>
<td>Submersible MDT, Encoder</td>
<td>TW-177S-E</td>
<td>Single Encoder Register input (Neptune, Sensus), one-hour interval. Fully potted for submersible pit meter applications and outdoor environments Separate Data Sheet available on web site</td>
</tr>
</tbody>
</table>

*: Adequate repeater coverage is required for guaranteed delivery. Other combinations and sensor inputs are available by special order. Please contact Tehama for details.

** Standard and Max Range systems are NOT compatible: only Max Range MDTs must be used with a Max Range Repeater (and Max Range DCAP) and vice versa. Refer to AN-119 in the documents section of our website for more information.

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