

# MAX Range Display MDT



The MAX Range Display MDT from Tehama Wireless combines our new multi-mile range MDT transceiver with a remote LCD display to provide the easiest and most accurate way to comply with tenant meter access requirements in California and elsewhere. The new MAX Range transceiver goes three to four times as far *inside* multifamily structures while still meeting a five+ year battery life. The Display MDT is installed in the tenant space and awired to the meter. The LCD screen displays the consumption for 60 seconds when the button is pushed.

The Display MDT comes in multiple versions: Single or Dual pulse, Single or Dual Encoder, and Pulse + Encoder. The initial meter read and count factor, along with units and Hot/Cold designation are programmed into each MDT using the CIT with a special USB cable or our Mobile App with our Bluetooth programmer. Once configured, the LCD display will show the same consumption value as on the meter face. All programmed parameters transfer to the DCAP for seamless integration into the data provided by the CIT and daily reports.

The Display MDT has a specialized enclosure with a standard sized wall plate back piece that mounts to a standard 1-gang electrical box for a professional looking installation.

The unit is powered by two AA batteries providing over five-year battery life under typical conditions. A Display Only version with no RF function is also available which will operate for over ten years under typical conditions with the two AA batteries.

The unit is NTEP certified, [#16-013](#). California Weights and Measures accepts the NTEP certification.



## Specifications

Inputs Options	<ul style="list-style-type: none"> <li>• Pulse signal from electric, run-time, gas or water meters</li> <li>• Encoded protocol, Neptune or Sensus compatible meters</li> <li>• Internal temperature sensor</li> </ul>
Maximum Cable run	<ul style="list-style-type: none"> <li>• 150 feet for Pulse units, 24 AWG wire twisted pair</li> <li>• 150 feet for Encoder units, 24 AWG wire twisted pair</li> </ul>
Radio	902 – 928 MHz; FCC Certified; Open field range up to 10 miles*
LED	Indicates RF network connection status
LCD	Displays meter count value and units, activated for 60 seconds by button push. Display always on for Display-Only models. Dual pulse unit alternates display between Hot and Cold readings Units supported: Gallons, Cubic Feet, KWh, Liters, m <sup>3</sup>
Operating Environment	-20 to 145 degree F, up to 90% RH, non-condensing.

Power	Two AA Alkaline batteries (included)
Typical Battery Life	5+ years @ 50° to 90° F, reduced at extreme temperatures Display-only function: 10 years @ 50° to 90° F
Dimensions	Gang Box Case: 4.5" x 2.75" x 1.2"

\*Actual range may vary depending on installation location and topography.

## Models

For use in <b>MAX Range</b> systems **		
Display MDT, Pulse Inputs, Battery powered	TW-175B-P TW-175B-PP TW-175B-PI	<b>-P:</b> Single pulse input counter, one-hour interval data transmissions, no on-board memory. <b>-PP:</b> Adds a second pulse input. <b>-PI:</b> Adds internal Temperature monitoring.
Display MDT, Encoder input, Battery powered	TW-175B-E TW-175B-EE TW-175B-EP TW-175B-G TW-175B-GG	<b>-E:</b> Encoder input, one hour interval data transmissions, no on-board memory <b>-EE:</b> Dual Encoder input, one hour interval data, no on-board memory <b>-EP:</b> Encoder input plus Pulse input. One hour interval data, no on-board memory <b>-G:</b> Encoder input from GWF Unico2coder® MP meter <b>GG:</b> Dual Encoder input from a pair of GWF Unico2coder® MP meters

\*\* 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.

Contact us:

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