Standard Range Display MDT

The Tehama Wireless Display MDT combines our proven 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 Display MDT is installed in the tenant space and wired to the remote 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 four programmed parameters transfer to the DCAP for seamless integration into the data provided by our various Apps and the daily report.

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 a five to seven year battery life under typical conditions. A Display-Only version with no RF function is also available which will operate for over ten years with the two AA batteries.

The unit is NTEP certified, #16-013. California Weights and Measures accepts the NTEP certification. Display MDT covered by US Patent No 9,410,821.

Specifications

Inputs Options	• Pulse signal from electric, run-time, gas or water meters • Encoded protocol, Neptune or Sensus compatible meters • Internal temperature sensor
Maximum Cable run	• 150 feet for Pulse units, 24 AWG wire twisted pair • 150 feet for Encoder units, 24 AWG wire twisted pair
MDT Data Storage	• TW-165B-P: four to five data points • TW-165B-PTx: Up to 4000 data pts. (over 32 days @ 15-Min interval)
Data Resolution	• TW-165B-P: 1-hour interval • TW-165B-PTx: 15-minute interval
Radio	902d – 928 MHz; FCC Certified; Open field range over 3500 feet*
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^3
Operating Environment	-20 to 145 degree F, up to 90% RH, non-condensing.
Power	Two AA Alkaline batteries (included)
Typical Battery Life	5-7 years @ 50º to 90º F, reduced at extreme temperatures
	Display-only function: 10 years @ 50º to 90º 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 **Standard Range** systems **		
Display MDT, Pulse Inputs, Battery powered	TW-165B-P TW-165B-PP TW-165B-PT TW-165B-PI	**-P**: Single pulse input counter, one hour interval data transmissions, no on-board memory. **-PP**: Adds a second pulse input. **-PT**: Adds 15 minute guaranteed* Time-of-Use interval data with on-board Data Logging. **-PI**: Adds internal Temperature monitoring.
Display MDT, Encoder input, Battery powered	TW-165B-E TW-165B-EE TW-165B-EP TW-165B-G TW-165B-GG	**-E**: Encoder input, one hour interval data transmissions, no on-board memory **-EE:** Dual Encoder input, one hour interval data, no on-board memory **-EP**: Encoder input plus Pulse input. One hour interval data, no on-board memory **-G:** Encoder input from GWF Unico2coder® MP meter **GG:** Dual Encoder input from a pair of GWF Unico2coder® MP meters
Remote Display, Battery powered	TW-105B-P TW-105B-PP TW-105B-E TW-105B-EE	-P: Single pulse input remote display, no radio function. -PP: Dual pulse input remote display, no radio function. -E: Encoder input remote display, no radio function. -EE: Dual Encoder input remote display, no radio function.

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

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