



# CASE STUDY

# TOHO WATER

# AUTHORITY

## CX-1 SERIES TENSION METER



CUSTOMER  
**TOHO WATER AUTHORITY**



INDUSTRY  
**WATER SERVICE**



PRODUCT  
**CX-2000-1 TENSION METER**

### BACKGROUND

Toho Water Authority (TWA) is the largest provider of water, wastewater and reclaimed water services in Osceola County, Florida. They continually strive toward a standard of excellence for responsible water supply stewardship. Toho currently serves over 100,000 customers in Kissimmee, Poinciana and unincorporated areas of Osceola County.

TWA owns and operates 13 water plants and 8 wastewater plants. With a 300+ person workforce, Toho treats and distributes approximately 37.5 million gallons of potable water and reclaims 27 million gallons of wastewater each day. To connect these locations, TWA has approximately 500 remote stations that communicate data in real time. The Supervisory Control and Data Acquisition (SCADA) systems are responsible for these stations. Several Rohn guy-wire supported towers make up part of the network infrastructure that is used to connect the data to their facilities. TWA uses 7/10 Alumoweld cables to anchor the towers and ensure they are balanced.



## CX-1 SERIES TENSION METER

The SCADA division was doing maintenance on the guy-wires and needed a way to test the tension of the cables to maintain essential balance in each tower. They needed a product that would provide easy, accurate tension control, improve safety and consistency in cable installation and maintenance.

### TENSITRON SOLUTION

With Tensitron and the CX-2000-1, TWA was able to send in a cable sample and have their new meter calibrated to their specific tension points. They used the meter to replace old guy-wires and recheck newer ones. They now use the CX-2000-1 to test the cables yearly. When prepping for hurricanes, the CX-2000-1 is especially helpful to TWA by ensuring the guy-wires on each tower are at correct tension. The fact that the CX-2000-1 does what is needed is important to TWA.

### STANDARD AND COMPACT MODELS

The Tensitron CX-2000-1 tension meter is available in several different models, with tension ranges from 20 to 2,000 lb. and is delivered custom-calibrated for your application.

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Toho Water Authority recommends Tensitron for reliable, easy to use tension meters in addition to quality customer support.



# TENSITRON®

A KTC Instruments Company



## YOU'RE ONLY AS GOOD AS YOUR TENSION METER

When tension is critical, Tensitron tension meters help companies stay competitive and protect profits by providing accurate, reliable results so that they can deliver high-quality solutions that achieve maximum results.