



# TWACS® UMT-R

## Universal Metering Transponder-Residential



The TWACS UMT-R for solid state, residential meters provides remote, two-way access to usage and voltage data and ensures recent meter data is available to the utility.

The UMT-R performs scheduled and on-request reads, with data directly from ANSI C12.19 tables, and allows the utility to remotely reset the peak demand on individual meters or meter groups.

The UMT-R transmits fixed- and rolling-block demand as well as forward, reverse, net, and secure consumption data. It supports collecting two independent channels of interval data in 15-, 30- and 60-minute lengths. These features enable real-time pricing and direct-access settlement, as well as peak-demand and aggregated billing.

The UMT-R is available for the Aclara I-210+™ and Landis+Gyr FOCUS® AL, FOCUS AX direct-sampling, solid-state meters.

### FEATURES AND BENEFITS

- Works with TWACS PROASYS® to provide timely dispatch of crews and real-time monitoring of service restoration
- Stores daily reads for seven days and interval data for a minimum of 35 days
- Reduces costs and simplifies upgrades to future product enhancements
- Allows customer service representatives to access meter data in less than 20 seconds
- Installs within the meter and accesses data directly from ANSI C12.19 tables
- Supports integrated disconnect functionality when purchased as a meter option

# TWACS UMT-R Compatible Meters

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### Specifications

#### ACLARA I-210+

- Low starting watts which capture energy consumption at levels typically not registered by electromechanical meters.
- Low burden which minimizes utility system losses.
- Patented tamper algorithm to detect tamper-by-meter inversion (turning the meter upside down).
- Large, easy to read LCD display.
- Operation over a broad temperature range (-40°C through +85°C).
- Voltage:  $\pm 20\%$ .
- Typical starting watts:  $\leq 5.0$  watts (Form 2S 240 V CL200)
- Typical watts Loss: 0.7 watts
- Typical accuracy: within  $\pm 0.2\%$
- Performance meets or exceeds ANSI C12.1, C12.10, C12.20, C37.90.1

#### LANDIS+GYR FOCUS AL AND FOCUS AX

- Starting load (watts): Class 20 - 0.005 Amp (0.6W), Class 100 - 0.030 Amp (3.6W), Class 200 - 0.050 Amp (12W), Class 320 - 0.080 Amp (19.2W), Class 480 - 0.120 Amp (28.8W).
- Available forms: Self-Contained 1S, 2S, 2SE, 12S, 25S; Transformer Rated 3S, 4S; K-Base 2K
- Operating temperature -40C to +85C under cover.
- Nominal voltage 120V or 240V.
- Operating voltage 80% to 115% of Vn.
- Frequency 60Hz  $\pm 5\%$ .
- Humidity 5% to 95% relative humidity, non condensing.

Aclara Technologies LLC is a world-class supplier of smart infrastructure solutions (SIS) to more than 780 water, gas, and electric utilities globally. Aclara SIS offerings include smart meters and other field devices, advanced metering infrastructure and software and services that enable utilities to predict and respond to conditions, leverage their distribution networks effectively and engage with their customers. Aclara Technologies LLC is owned by an affiliate of Sun Capital Partners. Visit us at [Aclara.com](http://Aclara.com), phone 800 297 2728 or contact us at [info@aclara.com](mailto:info@aclara.com) and follow us on Twitter @AclaraSolutions.