



TWACS® UMT-C

UNIVERSAL METERING TRANSPONDER-COMMERCIAL

The TWACS UMT-C for commercial and industrial customers provides the utility with remote, two-way access to usage and voltage data.

The UMT-C takes a daily and on-billing cycle snapshot using ANSI C12.19 open protocol to gather meter data. The transponder captures data from up to 32 utility-selected meter registers and can deliver consumption, demand, time-of-use, reactive energy, power factor, Q-hour, apparent power, and voltage readings – typically within 20 seconds of a request.

The UMT-C supports collecting four channels of interval data in 15-, 30- and 60-minute lengths. The unit's expanded memory maintains a minimum of 35 days of interval data, depending on the configuration. For example, a two-channel configuration of 60-minute interval data provides over 160 days of history.

The UMT-C is available for the GE kv2c and Elster A3 Alpha® meters and is also compatible with KYZ outputs and inputs for the GE kv2c meter.



Each TWACS UMT-C delivers

Outage assessment and restoration

Works with TWACS PROASYS® to provide timely dispatch of crews and real-time monitoring of service restoration.

Voltage monitoring

Retrieves phase-voltage measurements from the meter for automatic monitoring that allows troubleshooting from the office.

Diagnostics and alarms

Checks the meter's diagnostic registers each hour, indicating an alarm on its next response.

Upgradeability

Supports remote upgrades of transponder firmware.

Remote reset commands

Schedules remote demand resets to occur on or off the billing cycle date.

TWACS UMT-C Compatible Meters:

General Electric kV2c

- Single-phase, self-contained kV2c meters in forms 1S, 2S, and 2S CL320
- Polyphase, self-contained meters in forms 12S and 15S/16S, both in Class 200 and Class 320
- Transformer-rated, Class 20 meters in forms 3S, 4S, 8S/9S, 36S, and 45S
- Includes 120V, VT-rated versions
- Works with an optional radio-frequency board to read water, gas, and propane meters through a single module

NOTE: The TWACS UMT-C transponder can also be accessed using the optical serial port on the GE kV2c. Configuration and testing can be completed without removing the meter cover.

Elster A3 ALPHA

- Single-phase, self-contained A3 ALPHA meters in form 1S and 2S, both in Class 200 and Class 320
- Polyphase, self-contained meters in forms 12S and 16S, both in Class 200 and Class 320
- Transformer-rated, Class 20 meters in forms 3S, 4S, 5S/35S, 6S/36S, and 8S/9S/10S
- Includes 120V, VT-rated versions



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