

## kV2c Meter Equipped with DCSI's UMT-C Module

Utilities are looking for innovative automatic meter reading (AMR) solutions to apply to their residential and commercial metering applications. Through a joint development effort, GE Energy and DCSI offer a two way, under glass, direct register read, power line carrier (PLC) TWACS® AMR solution for the kV2c\* polyphase meter.

This solution encompasses the key attributes of GE's kV2c meter and the benefits delivered by DCSI's TWACS power line carrier, automatic meter reading solution.

A summary of the value this product brings to the marketplace:

- The AMR endpoint is integrated and programmed to customers' specifications at the GE factory
- Flexibility – Because of the direct register read technology, different registers including energy consumption (received or delivered), TOU, reactive, voltage, and/or demand, can be transmitted to the utility's remote location utilizing TWACS technology
- Versatility – This solution can be used in voltage transformer (VT) applications. Also, with the UMT-C module installed, the kV2c meter still has additional I/O capability

DCSI's UMT-C module provides internal AMR capability to GE's kV2c polyphase commercial and industrial meter. The module is an option board that occupies the modem card slot within the meter, utilizing robust TWACS backhaul communications.

The kV2c meter performs metrology calculations. The UMT-C module reads the resulting parameters from the internal meter register and transmits the requested values to the utility office.

The UMT-C module is designed to fully support the basic meter, plus additional softswitches. This allows the utility to access a variety of data values, including basic billing data, voltages/currents, and demand. The utility can perform reads on either a scheduled or on-request basis.

All of these features represent a significant advancement in the level of service that utilities will be able to offer their commercial and industrial customers.

### About the kV2c Meter:

The GE kV2c meter moves beyond revenue metering to real-time instrumentation, true power quality monitoring and real cost of service measurements. It provides you:

- Revenue accuracy (with DC detection capability)
- Installation verification and tamper detection tools
- Coincident demand measures
- Power quality monitoring and analysis
- 20 channel recording
- Totalization options (with four external inputs)
- Four-Quadrant industrial or substation measures
- Per phase AC instrumentation (amps, volts, and frequency)

Whether you're metering the simplest energy rate or collecting critical quality of service and load analysis information (on a polyphase or a single phase circuit), there is a GE kV2c meter configuration to meet your needs.



## About DCSI's UMT-C Module:

- The UMT platform is designed to support remote upgrades. Customers will have the ability to download new features and functionality to the transponder via the TWACS system.
- Four consumption values: forward, reverse, net, secure
- Seven days of historical consumption data
- Up to 16 mapped registers
- Up to four channels of interval data in 15, 30, and 60 minute intervals with at least 35 days of data storage.
- No loss of data during power outages with storage capability for extended periods of time
- Supports momentary outage counts, outage detection, and restoration using the proven PROasys™ software package
- Provides access to the kV2c registers directly and can be configured per customer requirements prior to installation

## kV2c Equipped with UMT-C Ordering Information

All available meter forms are autoranging (120V-480VAC), with the exception of VT rated meters which must be specified upfront upon order.

Circuit-Type	Wires	Class	Form	Elements	Catalog #
1 $\phi$ , 3 $\phi$ $\Delta$ , or Network	3	200	12S	2	787X190001
	3	320	12s	2	787X190004
	3	200	25S	2	787X190501
1 $\phi$	3	200	2S	1	787X290001
	3	320	2S	1	787X290003
	2	200	1S	1	787X290501
1 $\phi$	2	20	3S	1	787X390001
	3	20	4S	1	787X390501
3 $\phi$ Y or $\Delta$	4	200	16S	3	787X490001
	4	320	16S	3	787X490003
3 $\phi$ $\Delta$ 2 $\phi$	3 or 4	20	45S	2	787X590001
	5				
3 $\phi$ Y	4	20	36S	2 <sup>1</sup> / <sub>2</sub>	787X690001
3 $\phi$ Y or $\Delta$	4	20	9S	3	787X990001

Note: The kV2c with UMT-C solution can be used in voltage transformer (VT) applications, additional configurations are available. Please consult the GE factory for applicable catalog numbers.



To obtain more information or to purchase GE Energy's metering products, please call GE 1-STOP at 1-800-431-7867.

Product information is also available on our web site.

Please visit [ge.com/energy](http://ge.com/energy) for more information.

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