

C&I Meter Reader

GE kV2c & kV2c +

Industrial Strength Smart Metering
for High Demand Polyphase Accounts



Tantalus adds wireless communications to GE's industry leading polyphase C&I meters.

Advanced diagnostics and meter programming can be performed remotely using GE MeterMate software over TUNet®. The ability to remotely configure, upgrade, and troubleshoot meters eliminates the need for on-site maintenance and helps utilities and their C&I customers maximize performance.

TUNet – the Tantalus Utility Network – provides two-way control over the distribution system without requiring expensive infrastructure, complex implementation schemes, and recurring costs for wireline or wireless rental. Support for advanced metering, load control, outage management, distribution automation, and power quality monitoring enable a utility to pick-and-choose billing and system management programs that result in more efficient and economic operations.

With TUNet's wide coverage, devices can be surgically deployed anywhere within the utility's service area to prioritized customer segments or geographies or as part of a full scale roll out that includes both residential and C&I customers.



SMART METERING

The PP-1310 adds wireless, two-way communications and advanced monitoring capabilities to GE kV2c and GE kV2c+ polyphase electronic meters. Utilities gain cost effective access to data from high consumption C&I customers, which serves as the basis for dynamic pricing, accurate forecasting, load profiling, and a full range of operational functions. The PP-1310 delivers kWh, kVARh, and Peak kW direct to the utility for accurate billing and tight regulatory reporting. Flexible reporting intervals – as low as 5 minutes – support a variety of rate structures including TOU, CPP and RTP. Tantalus' C&I solution also monitors line voltage levels on all three phases, enabling Engineering and Operations staff to closely monitor power quality. Outage alerts instantly notify staff of power disruptions and indicate affected areas by meter, meter group or all meters.

TANTALUS ADVANTAGES

- Adds two-way, 24/7 wireless communications to GE kV2c and kV2c+ polyphase meters
- Reports and graphs consumption, voltage, and outage
- Reports interval consumption – as low as 5 minutes – for dynamic pricing
- On-request reads allow customer service to respond to inquiries and closely monitor endpoints remotely, in near real time
- Field initiated outage and restoration alerts instantly notify staff of critical events and reduce field time
- No data loss – maintains data during outages
- Web interface provides secure access to data from remote locations
- Remotely programmable operating parameters allow a utility to easily tailor performance measurements
- Compatibility with GE MeterMate software allows a utility to configure, upgrade and troubleshoot without making a costly field visit
- Automatically negotiates the best path to TUNet; self-negotiating / self-healing network
- Under-the-glass design fits into tamper-resistant GE kV2c and kV2c+ meters
- Works with both new and existing meters
- Supports 345/600V configuration for deployment in Canada
- Features Tantalus TruPush™ technology for instant, field initiated event notifications such as outage alerts or load shed success; no device polling required

Data Reported

- kWh and kVARh
- Peak Demand kW
- Instantaneous voltage: Phases A, B & C
- User defined interval data provided in increments as low as 5 minutes

Radio

- Frequency range: 902-928 MHz ISM Band
- TUNet TruPush™ Technology
- Vectored Channels: 64,000
- Data rate 10-300 kbps
- Transmit power: +27 dBm (0.5 watt)
- Receive sensitivity: -116 dBm
- Antenna: built-in
- ZigBee under glass optional

Meter Forms Supported

- 9A / 9S - 16A / 16
- 10A - 36A / 36S
- 12S - 45A / 45S
- 13A - 48A

Power

- Supply: kV2c internal DC power supply
- Quiescent power: 1.9 watts typical

Environmental

- Operating temperature range: -40° to +158° F / -40° to +70° C
- Operating humidity range: 5% to 95% non-condensing

Approvals / Standards

- ANSI C12.1 & C12.20
- FCC for CFR Title 47 Part 15b
- Measurement Canada

