

SGM3000TM Smart Energy Meter

By Aclara

Aclara's SGM3000TM Smart Energy Meter product line, offers robust and flexible technology that covers metering needs from basic, energy-only metering to comprehensive smart metering with advanced functionality for commercial customers. Aclara's family of commercial meters are designed to comply with IEC standards and to help utilities implement advanced energy management and power quality monitoring by providing easy access to critical information for higher productivity, improved efficiency and reduced energy costs throughout the energy distribution and usage chain. Aclara's Smart Energy Meters integrate with a variety of Aclara utility optimization solutions such as: Outage events and alarms with Aclara's PowerON™, Aclara's Outage Management Solution Coordinated load control, load shedding and load deferral using Aclara's GridIQ™ Demand Optimization Solution Centralized Volt/VAR applications with Aclara's PowerON Fusion™ Distribution Management Solutions. The Aclara SGM3000TM Smart Energy Meter product line, delivers Smart Grid capabilities with its embedded micro-computing to power across both commercial and industrial applications. The SGM3000 series includes eight (8) meter variations including single phase, polyphase, dual-element and CT metering for both residential and commercial use. All meters are ideal for basic metering, off-peak tariffs, co-generation, three-phase metering or a mixture across your network. Demand Management SGM3000 smart meters support a wide range of load control configurations for a variety of commercial and industrial demand-energy applications. The meters can support a 100A main disconnect relay and up to two auxiliary load control relays of either 40A or 2A capacity. Power Quality SGM3000 is the ideal power meter for monitoring and managing power quality in an energy supply network. The SGM3000 monitors quality parameters such as reactive energy, total harmonic distortion, voltage profiles, outage statistics, and under/over voltage and frequency events. Future Proof Communications The SGM3000 smart meters support modular, field-replaceable communications to facilitate wide area network communications. The SGM3000 communications interface supports a broad range of communications options including GPRS, 3G, WiMAX, LTE, RF Mesh and Ethernet. Smart Configuration Reducing configuration time and costs, the SGM3000 features flexible configurations to support customized needs including highly configurable load profiles, time-of-use, demand metering and prepayment, measurement profiles, load control schedules and multi-element options.

Features

- Improved energy efficiency for commercial settings
- Advanced co-generation applications using configurable, full quadrant measurements
- Access to multi-utility measurements including electricity, water and gas
- Modular communications with field-replaceable options
- Extensive relay and multi-element configurations
- Robust meter security and standards compliance



- Scalable, future-proof metering

Application

- Commercial
- Residential

General

Electrical Ratings

Frequency Rating 50 or 60 Hz

Product Assets

[Specifications - SGM3000TM Smart Energy Meter](#)



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