

SGM1430-B polyphase

By Aclara

As a second-generation smart meter (SMETS2), the Aclara's advanced and modular SGM1430-B polyphase is a family of meter devices designed for large residential and small commercial installations to connect to a secure UK nationwide network. It provides UK energy suppliers and Meter Asset Providers access to a single-sourced, comprehensive solution to further automate the management of their meter assets at a total lower cost of ownership. The SGM1430-B is available in three variants and forms an integral part of the UK smart metering solution offering full two-way secure communications between the meter, CSP communications hubs and UK DCC head-end solution. Designed for residential, high energy user and small to medium enterprise customer SGM1430-B polyphase meter family offers robust, secure, flexible and configurable technology for every metering requirement from basic, energy-only metering to comprehensive smart metering functionality – with multiple communication technologies and control of external heating in your network. The SGM1430-B family is available in three variants and forms an integral part of the UK smart metering solution offering full two-way secure communications between the meter, CSP communications hubs and UK DCC head-end solution and allows utilities. SGM1431B – UK SMETS2 – The SGM1431B polyphase meter is designed for installation in larger residential premises with high energy usage and businesses such as small retail shops. SGM1432B – UK SMETS2 – The SGM1432B polyphase meter is designed for installation in larger residential premises with high energy usage and businesses such as shops that also require automatic heating control via the meters auxiliary load control output. SGM1433B – UK SMETS2 – The SGM1433B polyphase meter is designed for installation in larger residential premises with high energy usage and businesses such as shops that also require automatic night storage heating control and control of water heating via the meters 2 x auxiliary load control outputs.

Features

- Supports an interchangeable Intimate Communications Hub, offering flexibility and a choice of AMI communications. The meter offers support of an on-board ZigBee RF interface using industry standard Smart Energy Profile for HAN communications to a CSP Communications Hub and third party IHD, PPMID and CAD respectively.
- Supplied as standard with integrated 3 x 100A contactors for connect/disconnect of the consumer supply with optional 2A load control relays for control of other ancillary devices such as, night storage heating, pumps, etc.
- Supports a comprehensive tariff developed in association with the Great Britain Companion Specifications and supports both standard time of day (STOD) and block tariffs.



- Offers storage for 2 years of load profile data, the meter is also complimented with support of independent profiling of instrumentation values, typically line voltage, current, frequency etc.
- Enhances power quality features offering support of Voltage Sag/Swell and Under/Overvoltage are all provided as standard.
- Meets RF noise compliance and has been certified for the CPA security credentials.

Application

Residential

General

Electrical Ratings

Frequency Rating50 or 60 Hz

Certifications And Compliance

Industry Standard(s)IEC

Product Assets

[Brochures - SGM1400-B™ Series Global Polyphase](#)
[Brochures - SGM1400-B™ Series UK Polyphase SMETS2](#)
[Specifications - SGM1430-B polyphase](#)



A Hubbell brand