

KWH Energy Meters & Billing Management Systems

Description

An energy meter is a DIN rail mount (or panel mount) device that can measure the active power consumed in a single phase network directly (without current transformers) or three phase networks directly; up to a maximum of 120A per phase or indirectly using appropriate current transformers. It can be a mechanical or digital display.

Features

- ❖ Din rail or panel mount
- ❖ Digital LCD display or mechanical
- ❖ Class 1 or class 2
- ❖ Single or three phase applications
- ❖ Resolution 1-100 WH
- ❖ 1-8 modules wide
- ❖ Impulse transistorized output proportional to kWh reading
- ❖ Partial kWh counter that can be reset
- ❖ With/Without RS485 communication embedded

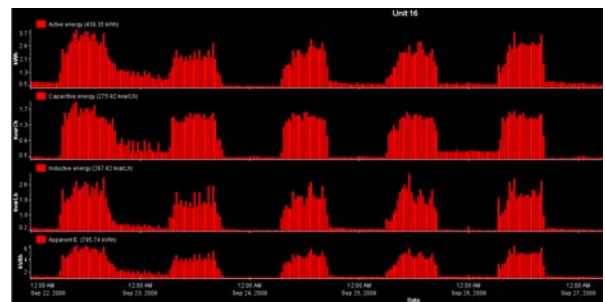
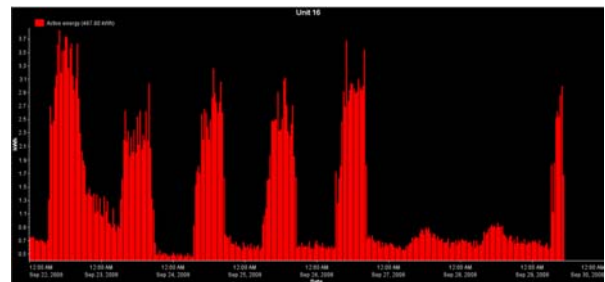
Applications

Networking all these energy meters to a central system for example - SCADA, PLC, BMS, central PC, central display, will result in establishing a billing management system in sites such as: residential complexes, commercial buildings, universities, caravan parks, hotels, shopping centres, marine clubs, sport centres and government buildings.

Benefits

- ❖ Identify major consumers
- ❖ Allocate costs
- ❖ Make users aware of expenditures
- ❖ Manage peak demand and avoid penalties
- ❖ Optimize the energy contact by planning efficient usage
- ❖ Aggregate multi-sites costs and negotiate global contracts
- ❖ Identify spare capacity for electrical installation extensions
- ❖ Gas, water, steam for example can be monitored as well using their pulse output facility resulting in a global centralized utility management system
- ❖ Data can be analysed in raw form (tables, graph) or in professional form such as billing reports

Example of energy consumption graphs below





The MySmart group of companies offer energy efficient and energy management solutions in different sectors of the building and refurbishment market. The need to become energy efficient is paramount given the impact of global warming and the economic implications.

MySmart supply and develop specialized products to accommodate specific market needs within the building industry, these markets include hotels, aged care, commercial as well as the domestic market. Each of these markets has different requirements in regards to energy efficient products and services. mySmart have develop customs solutions to cater to these markets.



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