

Energy monitoring

Application: small commercial and industrial buildings

Meet essential energy measurement needs with a simple metering solution

“ I need a basic energy measurement system that allows me to identify areas where corrective actions could help decrease my building’s energy usage. ”

Install digital kilowatt-hour meters on selected loads

The solution is based on simple digital kilowatt-hour meters to track energy consumption. Users simply read consumption information directly from the meters’ displays to identify the leading sources of overconsumption for each area of the building.

These cost-effective pulse meters are designed for sub-metering of active energy consumed by a single phase or three-phase electric circuit with or without distributed neutral. Direct measurement up to 40/63 A is possible. Above 63A, a current transformer must be used. The meters can be connected to a PC or PLC for analysis and reporting.

Solution

Benefits



+ Easy to install, even in existing buildings

+ Easy to wire: no current transformer to install

+ Small size for easy installation on compact switchboards

+ Remote measurement possible

+ The bottom-bottom connection of current inputs facilitates connection to circuit breakers

+ A pulse output can be used to manage a set of meters remotely

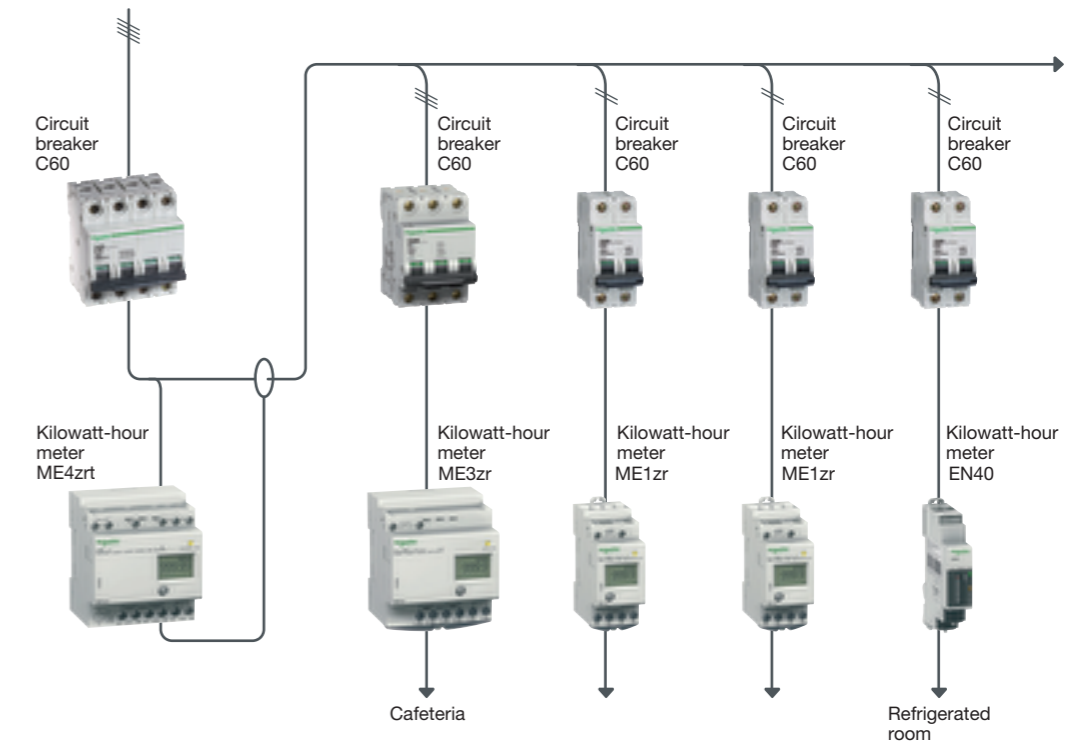
For the user

> Metering can **reduce energy consumption by up to 10%** by raising users’ awareness of consumption habits

> **Easiest way to start tracking consumption**

> **Can be used for sub-billing and cost allocation**

- Measure
- Reduce energy consumption
- Reduce energy costs



ME range

- > **ME watt-hour meters** are designed for single-phase or three-phase circuits, with or without a distributed neutral
 - Direct measurement up to 40/63A, up to 6000A with current transformer
 - DIN rail mounting
 - 5 to 7 digit display

- Possible remote transfer by NO contact
- Complies with: IEC 62053-21 and IEC 61557-12 standards



EN range

- > **EN40 / EN'clic kilowatt-hour meters** measure the active energy consumed by a single-phase circuit
 - > Complies with IEC 61557-12, IEC 62053-21(class 1)