

KW1M-H Eco-POWER METER SD memory card type

Automatic locking of electricity usage amount

- Measurement data locked at intervals of 1, 10, 15, 30, and 60 minutes (selectable)
- Screen display of past logs for each month, day or hour (max. 1.5 years)
- Data reading using SD memory cards

Direct input with 400 VAC system

- Direct input with 400 VAC system or 3-phase, 4-wire system voltage
- Support for overseas markets and large-scale factories that use high voltage.

Simultaneous power/pulse measurement

- Simultaneous power and pulse measurement

KW1M Eco-POWER METER Standard type

Direct input with 100/200 VAC system (AKW1110)
Direct input with 400 VAC system (AKW1111)

Single-phase two-wire/Single-phase three-wire/Three-phase three-wire system
Single-phase two-wire/Single-phase three-wire/Three-phase three-wire/
Three-phase four-wire system(*) (*only AKW1111)

Common Includes MEWTOCOL/MODBUS protocol

- Easy network construction

Notification function (external output)

- Standby power warning: Warning lets you find standby power of devices and equipment (For AKW1111, AKW1121).
- Excess power and current warning: Warning lets you find overuse of power or current.



AKW1121

Output terminal (selection)
(1) Integrated power pulse
(2) Excess current and power notification
(3) Standby power notification

CT connects easily.

Highly visible LCD

KW1M-H only
Built-in backup battery (replaceable)

Screw mounting
Safe and easy installation M3 screws and terminal protective cover

DIN rail installation
Keys on front for easy setting
Switch display items

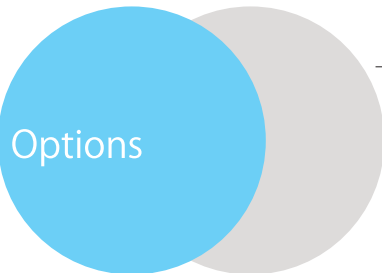
KW1M-H only
Write measurement data to SD/SDHC card. (SD and SDHC cards sold separately)



AKW1110

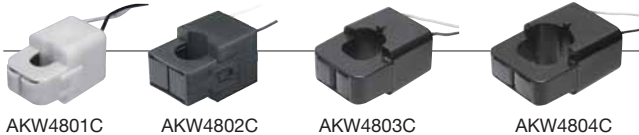


AKW1111



● Dedicated current transformer*

A CT is not included with the product. Please order in accordance with the type of power distribution system you will be measuring. (Even if you will be using a secondary 5A CT, you will need an AKW4801C.)



Product name	Rated primary current	Model No.
Dedicated current transformer for 5 A/50 A	5A/50A	AKW4801C
Dedicated current transformer for 100 A	100A	AKW4802C
Dedicated current transformer for 250 A	250A	AKW4803C
Dedicated current transformer for 400 A	400A	AKW4804C

- Mounting rail (applicable for DIN and IEC standards)



AT8-DLA1

Length: 1 m aluminum

- Fastening plate



ATA806

*For holding DIN rail

- Backup battery



*Included with main unit (For AKW1121)
AFP804

Product name	Description	Model No.
Mounting rail	Rail for holding DIN rail terminal socket	AT8-DLA1
Fastening plate	Plate for holding DIN rail	ATA806
Backup battery (included)	For clock function (AKW1121: For memory backup function)	AFP804

*Dedicated current transformers (CT), AKW4801C, AKW4802C, AKW4803C, AKW4804C, are dedicated for low voltage under 440V system. They can not be used for high voltage circuit. In case measuring high voltage circuit, make a 2-step construction by combination of a commercial CT of secondary side current 5A for high voltage and the dedicated CT for 5A (AKW4801C).

All software tool can be downloaded*, free of charge, from the website.

Panasonic Electric Works website <http://panasonic-electric-works.net/ac> *Customer registration is required before you download.

For easy power "visualization"

- Electrical power
- CO₂
- Charge
- 1h Fixed

KW View (Power display tool) Verification For KW1M-H

- (1) Simply load the CSV file on your SD or SDHC card into your PC. You can then display the data as a graph by month, day and hour, and print it out.
- (2) Using easy operation, you can manage Eco-POWER METER data for up to 99 units.
- (3) Graph display is in 1 hour units (fixed).



KW View

For easy "visualization" of data collected in the DLU*

- Electrical power
- CO₂
- Charge
- Flow
- Temperature
- Primary units
- 1h Fixed

KW Watcher (tool for checking power measurement operation)

Management

- (1) Please use in situations where the DLU* and Eco-POWER METER are used together.
- (2) Gather power, water amount, temperature, primary unit and air flow amount measurement data collected in the DLU* to easily create graphs and numerical displays, etc. (Measuring instruments such as other sensors will be required for flow amount, temperature and primary units.)
- (3) Measurement is in 1 hour units (fixed).



KW Watcher

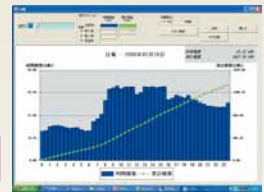
For easy "visualization" of data collected from Eco-POWER METER

- Integrated/Instantaneous power
- CO₂
- Charge
- Current
- Voltage
- ON time
- Power factor
- Frequency
- Counter
- Demand
- Time set OK

KW Monitor (Data collection software for Eco-POWER METER)

Analysis Uses only MEWTOCOL

- (1) Measuring can be selected among 1 s, 5 s, 10 s, 15 s, 30 s, 60 s, 1 m, 5 m, 10 m, 15 m, 30 m, and 60 m units.*1
- (2) Electrical power can be measured either integrated or instantaneous.



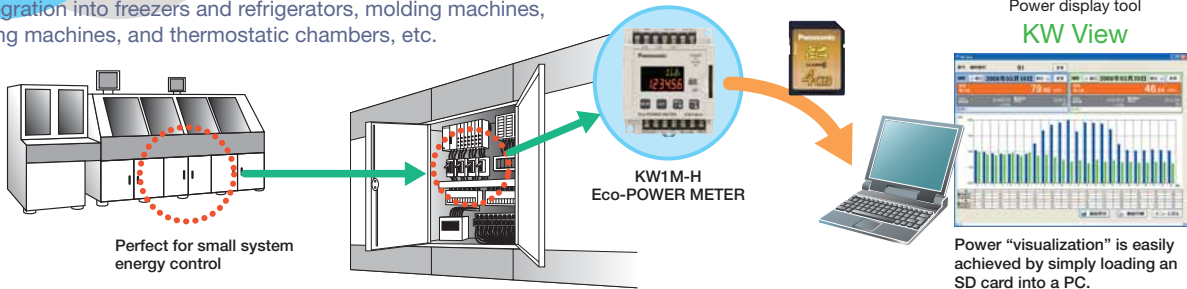
KW Monitor

*DLU is the abbreviation for Web Datalogger Unit.

System configuration

Equipment embedded power surveillance

For integration into freezers and refrigerators, molding machines, mounting machines, and thermostatic chambers, etc.



Power surveillance of lighting and air conditioning of buildings, plants, and stores, etc.

Handle the energy saving obligations of schools, multiple stores, and buildings.

