Energy Measuring Module
Model: Q83EH-WH
User Manual

Specifications
Inside a 55/50Hz User's Manual
Three (3) It also can measure the electric energy for a certain period.

1. How to use the Energy Measuring Module

- This Energy Measuring Module can measure three channels of various types of electric quantities.
- It can measure three channels of electric energy, reactive energy, current, voltage, electric power, reactive power, power factor, and frequency.
- Each conductor’s input is a high-impedance type and can be ungrounded.

2. Installation and Wiring

- Prepare the necessary items for this device as follows:
  - User’s Manual (Hardware) x 1
  - Dust, corrosive gas, saline and oil smoke exist.
  - Only trained persons having adequate knowledge of electric equipment can access the module.
  - Do not use this product in the places listed below. Failure to follow the instructions may cause malfunctions and a life impact exceeding the specifications.
- Use the product within the ratings specified in this manual. If it is used outside the rating, it may cause not only malfunction but also fire or electric shock.

3. Precautions for Operating Environment and Conditions

- Do not use the product in the places listed below.
- Do not use the product in locations where the following might cause malfunctions and a life impact exceeding the specifications.
- To comply with UL/c-UL standards, use the wires meeting the following requirements.
- Use the product after locking the panel so that only trained persons having adequate knowledge of electric equipment can access the module.
- Do not disassemble or modify the module. It may cause failure, malfunction, injury or fire.

4. Names and functions of parts of Q83EH-WH are provided below.

4.1 Names and functions of LEDs

- LED Green Displays CH1 2-side measurement status
- LED Green Displays CH2 1-side measurement status
- LED Green Displays CH3 2-side measurement status
- LED Green Displays CH4 1-side measurement status
- LED Green Displays CH5 2-side measurement status
- LED Green Displays CH6 1-side measurement status

5. Attaching and removing the module

- Attaching and detaching the module must be performed after the power source is shut off for all ENVIRONMENTAL LARGE equipment.
- Do not use this product in the places listed below. Failure to follow the instructions may cause malfunctions and a life impact exceeding the specifications.

6. Precautions

- To lock the panel so that only trained persons having adequate knowledge of electric equipment can access the module.
- Do not use this product in the places listed below. Failure to follow the instructions may cause malfunctions and a life impact exceeding the specifications.

7. General

- Displays unit of number of minutes

8. Specifications

- Voltage circuit
- Current circuit
- Voltage measurement
- Current measurement
- Power measurement

9. Photographs of Q83EH-WH

- View A
- View B
- View C

10. Customer Service

- Mitsubishi Electric Corporation

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**MITSUBISHI ELECTRIC CORPORATION**

Please refer to "catalog" or "user’s manual (Details)" for more details.

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