1. Safety Precautions
1.1 Precautions concerning working environment and conditions
Do not use the unit in any of the following places. Doing so may cause malfunctions or a reduction in service life.
- Places where the ambient temperature exceeds the working temperature range (25°C to 50°C)
- Places where the humidity exceeds 85%RH or where condensation occurs
- Places with a lot of dust, corrosive gas, oil, or alkylamine
- Places with a lot of vibration or impacts

1.2 Precautions concerning operations before using the equipment
- Use the unit in the specified usage environment and conditions.
- Check the current ratings of the equipment.

1.3 Precautions concerning Installation and connection
- Do not give this product vibration, a shock at the time of transportation as much as possible.
- For safely, the unit must be installed and connected by experts in electrical work.

2. Installation
2.1 The name of each part

2.2 Installation points
1) Unthread the short bar and take off the side of the short bar,
2) Loosen a joining screw of ZCT in right and left side allowance equally and take off upper core.
3) Put a lower core in the position and tighten screws with mounting bracket,
4) Please check the tightening for mounting bracket in the paste below.
5) After confirming it doesn’t stick to the supporting surface on core, put upper core and lower core together and assembling joining screws. Tighten a joining screw in right and left equally.
6) Tighten upper short bar.
7) Wiring secondary terminal’s. Wire the test terminal’s 0V if necessary.

2.3 Torque
Tighten the screw by the following prescribed torque. Tightening too much or too little of unsound clamping influence damaged and the characteristic of the instrument.

3. Specification

4. Dimensions

5. UL/CE marking and UKCA marking conformity combination unit
- This ZCT conform CE standard and UKCA standard in a condition use with QE82LG (Mitsubishi MELSEC-Q series Insulation Monitoring Module).
- This ZCT conform CE standard and UKCA standard in a condition use with EMU4-LG1-MB (Energy Measuring Unit).

6. WEEE Directive
- This symbol mark is for EU countries only.
- This symbol mark is according to the directive 2012/19/EU Article 14 Information for users and Annex IX.
- This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
- About the connection of the pinkeyes D0, D1 of ZCT, confirm it by the wiring diagram of the instruction manual of the measurement units put it together, and to use.

7. Customer Service
- Refer to the wiring diagram of the instruction manual of the measurement units combine with the ZCT.
- The electric wire diameter which get through hole is as follows: Nominal cross-sectional area of core wire is 0.35mm² (VV) or Cross linked polyethylene (PVC).
- WEEE Directive regulation means that this product is determined by finished external form, the transformation (structure) of the electric wire. Confirm dimensions?

8. Mitsubishi Electric Corporation
- Please refer to the “for more detail”.
- When exported from Japan, this manual is used to require application to the Ministry of Economy, Trade and Industry for service transaction permission.
- Specifications subject to change without notice.