

INSTRUCTION MANUAL

MULTI-TRAN MODEL 8008

1. Safety Warnings

- This instrument has been designed and tested to CAT.III 300V/CAT.II 600V and pollution degree 2 specified by the international safety standard IEC 61010.
- This instruction manual contains warnings and safety rules which must be observed by the user to ensure safe operation of the instrument and retain it in safe condition. Therefore, read through these operating instructions before using the instrument.
- The symbol Δ indicated on the instrument means that the user must refer to related parts in the manual for safe operation of the instrument. Be sure to carefully read the instructions following each Δ symbol in this manual.
- This instrument cannot be used for leakage current measurement.

Δ DANGER is reserved for conditions and actions that are likely to cause serious or fatal injury.
 Δ WARNING is reserved for conditions and actions that can cause serious or fatal injury.
 Δ CAUTION is reserved for conditions and actions that can cause minor injury or instrument damage.

Δ DANGER

- Never make measurement on a circuit above 600V AC.
- Do not attempt to make measurement in the presence of flammable gasses, fumes, vapor or dust. Otherwise, the use of the instrument may cause sparking, which can lead to an explosion.
- Transformer jaw tips are designed not to short the circuit under test. If equipment under test has exposed conductive parts, however, extra precaution should be taken to minimize the possibility of shorting.
- Never attempt to use the instrument if its surface or your hand is wet.
- Do not exceed the maximum allowable input of any measurement range.
- As to current measurement of more than 1000A, do not make measurement continuously. The main unit is heated, so there is danger which damages safety.

Δ WARNING

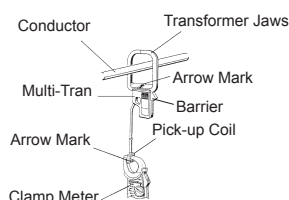
- Never attempt to make any measurement if any abnormal conditions are noted, such as broken case, cracked test leads and exposed metal parts.
- Do not install substitute parts or make any modification to the instrument. Return the instrument to your distributor for repair or re-calibration.
- Keep your fingers and hands behind the barrier during measurement.

3. SPECIFICATIONS

Measuring Range	0 -3000AAC
Input / Output	10 : 1
Accuracy	$\pm 2\%$ of input $\pm 0.5A$
Withstand Voltage	3470V AC for five seconds
Dimensions	MULTI-TRAN except Pick-up coil 317(L) \times 150(W) \times 30(D)mm Pick-up coil 40(L) \times 45(W) \times 10(D)mm
Weight	Approx. 750 g
Conductor Size	100mm max. diameter 100 \times 150mm Bus-Bar
Frequency	50Hz / 60Hz
Duty Cycle	Continuous for 0-1000A 10 minutes for 1000-1500A 30 seconds for 1500-3000A
Applicable standards	IEC61010-1, IEC61010-2-030 Measurement CAT III 300V Pollution degree 2 IEC61010-2-032 IEC61326-1 (EMC)
Location for use	In-door use, altitude 2000m or less

4. HOW TO USE

Clamp your clamp meter on the pick-up coil of the MULTI-TRAN. Then clamp the MULTI-TRAN on the conductor as shown below. Multiply the reading of your clamp meter by ten.



Barrier : It is a part providing protection against electrical shock and ensuring the minimum required air and creepage distances.

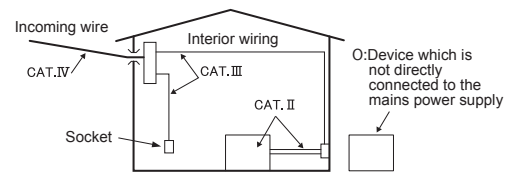
Caution; This instrument cannot be used for leakage current measurement.

Δ CAUTION

- Do not expose the instrument to the direct sun, extreme temperatures or dew fall.

- Following symbols are used on the instrument and in the instruction manual. Attention should be paid to each symbol to ensure your safety. Refer to the instructions in the manual.
- Δ This symbol is marked where the user must refer to the instruction manual so as not to cause personal injury or instrument damage.
- \square Indicates an instrument with double or reinforced insulation.
- Z Indicates that this instrument can clamp on bare conductors when measuring a voltage corresponding to the applicable Measurement category, which is marked next to this symbol.
- \sim Indicates AC (Alternating Current).
- Measurement Category
To ensure safe operation of measuring instruments, IEC 61010 establishes safety standards for various electrical environments, categorized as 0 to CAT. IV, and called measurement categories. Higher-numbered categories correspond to electrical environments with greater momentary energy, so a measuring instrument designed for CAT.III environments can endure greater momentary energy than one designed for CAT.II.

- 0 : Circuits which are not directly connected to the mains power supply.
- CAT.II : Electrical circuits of equipment connected to an AC electrical outlet by a power cord.
- CAT.III : Primary electrical circuits of the equipment connected directly to the distribution panel, and feeders from the distribution panel to outlets.
- CAT.IV : The circuit from the service drop to the service entrance, and to the power meter and primary overcurrent protection device (distribution panel).



2. FEATURES

MODEL 8008 are designed to increase the measuring capability of your clamp meters. With the use of the MULTI-TRAN, you can not only extend current ranges, but clamp on a conductor of a larger diameter.



Kyoritsu reserves the rights to change specifications or designs described in this manual without notice and without obligations.

DISTRIBUTOR



**KYORITSU ELECTRICAL
INSTRUMENTS
WORKS, LTD.**

No.5-20,Nakane 2-chome, Meguro-ku,
Tokyo, 152-0031 Japan
Phone: +81-3-3723-0131
Fax: +81-3-3723-0152
Factory: Ehime

www.kew-ltd.co.jp