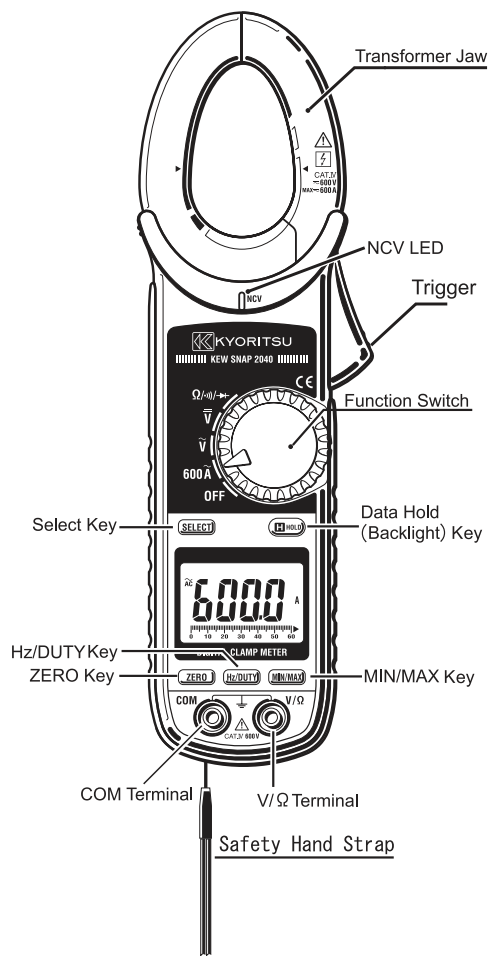


INSTRUCTION MANUAL

DIGITAL CLAMP METER

KEW SNAP SERIES

KEW2040 600A AC Only Type
KEW2055 1000A AC/DC Type



1. Features

- Designed to meet international safety standards. IEC61010-1, IEC61010-031:2002 & IEC61010-2-032 Measurement Category (CAT.) IV 600V Pollution Degree 2
- Double molded main body provides comfortable single handed grip
- Data Hold Function
- LCD Backlight function to facilitate working at dimly lit situations. (KEW2055 only)
- REL function to indicate measurement variation. (Current, voltage, Resistance measurement)
- MIN/MAX function enables easy reading of min & max value during measurement.
- With Continuity & Diode Check Function
- NCV (Non Contact Voltage) Function for wiring check.
- 600V input protection.
- Sleep function to extend battery life.
- With Bar Graph, 6039 counts

2. Safety Warnings

This instrument has been designed, manufactured and tested according to IEC 61010: Safety requirements for Electronic Measuring apparatus, and delivered in the best condition after passed the inspection. 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.

⚠ WARNING

- Read through and understand the instructions contained in this manual before using the instrument.
- Keep the manual at hand to enable quick reference whenever necessary.
- The instrument is to be used only in its intended applications.
- Understand and follow all the safety instructions contained in the manual.
- It is essential that the above instructions are adhered to.
- Failure to follow the above instructions may cause injury, instrument damage and/or damage to equipment under test.

The symbol ⚠ indicated on the instrument means that the user must refer to the related parts in the manual for safe operation of the instrument. It is essential to read the instructions wherever the ⚠ symbol appears in the manual.

⚠ DANGER is reserved for conditions and actions that are likely to cause serious or fatal injury.

⚠ WARNING is reserved for conditions and actions that can cause serious or fatal injury.

⚠ CAUTION is reserved for conditions and actions that can cause injury or instrument damage.

● Marks listed in the table below are used on this instrument.

⚠	User must refer to the manual.
□	Instrument with double or reinforced insulation
⚡	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.
~	AC
—	DC
⎓	AC & DC

⚠ DANGER

- Never make measurement on a circuit in which voltage over AC600V exists.
- Do not attempt to make measurement in the presence of flammable gasses. 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 measuring range.
- Never open the Battery cover during a measurement.
- The instrument is to be used only in its intended applications or conditions. Otherwise, safety functions equipped with the instrument doesn't work, and instrument damage or serious personal injury may be caused.

⚠ WARNING

- Never attempt to make measurement if any abnormal conditions, such as broken case and exposed metal parts are found on the instrument.
- Do not rotate the Function Switch while the test leads are being connected.
- Do not install substitute parts or make any modification to the instrument. For repair or re-calibration, return the instrument to your local distributor from where it was purchased.
- Do not try to replace the batteries if the surface of the instrument is wet.
- Disconnect all the cords and cables from the object under test and power off the instrument before opening the Battery Cover for Battery replacement.
- Verify proper operation on a known source before use or taking action as a result of the indication of the instrument.
- Use appropriate personal protective equipment such as insulating gloves, Insulating boots, and safety glasses.

⚠ CAUTION

- Set the Function Switch to an appropriate position before starting measurement.
- Firmly insert the test leads.
- Disconnect the test leads from the instrument for current measurement.
- Do not expose the instrument to the direct sun, high temperature and humidity or dewfall.
- Altitude 2000m or less. Appropriate operating temperature is within 0°C and 40°C .
- This instrument isn't dust & water proofed. Keep away from dust and water.
- Be sure to power off the instrument after use. When the instrument will not be in use for a long period, place it in storage after removing the batteries.
- Use a cloth dipped in water or neutral detergent for cleaning the instrument. Do not use abrasives or solvents.

Measurement categories (Over-voltage categories)

To ensure safe operation of measuring instruments, IEC61010 establishes safety standards for various electrical environments, categorized as CAT.I 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.

CAT. I : Secondary electrical circuits connected to an AC electrical outlet through a transformer or similar device.

CAT.II: Primary 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 over current protection device (distribution panel).

