1. Safety Warnings

This instrument has been designed, manufactured, and tested according to IEC 61010. Safety precautions and testing apparatus, and delivered in the best condition after the passed inspection.

This instruction manual contains warnings and safety rules which must be observed by the user to ensure safe operation of the instrument and to retain its safety features.

Therefore, read through these operating instructions before using the instrument.

- Effect of conductor position: 2017 Within 2% of indicated value at the center to a 10mm - 10 conductor carrying 100A at every part inside the jacks.

- Effect of external: 2 A or less in AC magnetic field of magnetic field of 4000A/m

- Power Source : 50% (9V DC) or equivalent battery

- Battery Life : Approx. 200 hours (continuous)

- Current consumption : Approx. 2mA

- Withstanding Voltage : 5000 V between housing case and metal part of jacks.

- Insulation Resistance : 500MΩ or greater at 1000V between housing case and metal part of jacks.

- Condenser Size : Approx. 30mm diameter max.

- Dimension : Approx. 190x100x30mm (WxDxH) for carrying case Model 8079, Instruction Manual -1

- Optional Accessories : Clamp adapter Model 8004, 8008

2. Features

- Designed to CAT. III 600V and pollution degree 2 in accordance with IEC 61010-1

- F-shaped jaws for ease of use in crowded cable areas and other tight places.

- Wide range frequency range from 40kHz to 1kHz.

- KEW SNAP 2027 is a true RMS Type that permits most accurate measurements independent of waveforms.

3. Specification

- Range Voltage : 50kHz - 1kHz (0.1% reading + 0.2% of full scale)

- Range Capacitance : 50kHz - 1kHz (0.1% reading + 0.2% of full scale)

- Range Conductance : 50kHz - 1kHz (0.1% reading + 0.2% of full scale)

- Range Resistance : 50kHz - 1kHz (0.1% reading + 0.2% of full scale)

4. Operating Instruction

4-1 Preparation to check battery voltage;

- (1) Set the range switch to a desired position

- (2) If there is clear without symbol “!” showing, proceed to measurement, Battery condition is normal.

4-2 AC Current Measurement

- Set the range switch to 200A or 600A.

- Insert the red plug of the test lead into the VΩ terminal.

- Insert the red plug of the test lead into the ◎ terminal.

4-3 AC Voltage Measurement

- Never use the instrument on a circuit above 600Vrms. Measurement on circuits above this voltage to the instrument or equipment under test.

- Keep your fingers and hands behind the battery during measurement.

- Do not operate the range switch during a measurement.

- Do not open the battery cover when making measurements.

4-4 Resistance Measurements and Continuity Check

- To avoid possible electrical shock and instrument damage, make sure that a circuit to be measured is disconnected.

- Keep your fingers and hands behind the barrier during measurement.

- Do not operate the range switch during a measurement.

- Do not open the battery cover when making measurements.

5. Battery Replacement

- To avoid possible electrical shock, make sure to set the range switch to “OFF” and remove the battery from the instrument before trying to replace battery.

- If symbol “!” appears on the display, replace the battery as described in Section 5 for Battery Replacement.

6. Optional Accessories

Model 8004 and 8008 (Multi-Train) extend the input current measuring range and the maximum conductor size.

- Model 8004 and 8008 (Multi-Train) extend the input current measuring range and the maximum conductor size.

- Clamp a Multi-Train on a conductor to be tested, clamp KEW SNAP 2017 on the pick-up coil of the Multi-Train.

- (4) Recharge the battery and multiply the reading by 10.

7. Maintenance

- Cleaning

Use a cloth dipped in water or neutral detergent for cleaning the instrument.

Do not use abrasives or solvents. Otherwise, instrument get damaged, deformed or discolored.

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