1. Safety Warnings

This instrument has been designed, manufactured and tested according to the following standards and delivered in the best condition.

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

2. Features

- This is a Phase indicator and can indicate a presence of line and phase sequence with the equipped LED and Buzzer.
- Brightness switch is equipped to make the indication visible in dimly lit areas.
- A magnet on the backside of the instrument can fix the instrument designed to international safety standard IEC61010-1, CAT III 1000V/CAT IV, 600V, Pollution degree 2.

3. Instrument layout

- Distributor
- Non-Contact Safety Indicator
- KEW8035

4. Specification

- Model: KEW8035
- Measurement range:
  - Static induction
  - Voltage range: Up to 100V
  - Frequency range: 45 to 66Hz
  - Storage and transport temperature: -20 to 50°C
  - Relative humidity: 50% or less (non condensation)

- Rotation LED (positive)
- Rotation LED (reversed)
- Phase sequence LED (positive)
- Phase sequence LED (reversed)
- Power LED

- Power off the instrument after use. Remove the batteries in case of suspected faulty operation.

- The buzzer sounds intermittently (p-p-p)
- The buzzer sounds continuously (p-p-p)

- Battery cover
- Socket
- Brightness switch

- Put the Label for clip, if necessary.

- The instrument is to be used only in intended applications or conditions.

- Battery cover
- State
- Phase with flashing LED is live state.

- Brightness switch
- Power LED

- Measure a covered conductor AC70V or more first.

5. Checks and Indications

5.1. Preliminary checks

5.1.1. Press the Power switch and power on the instrument.

5.1.2. All displays of * mark on the Measurement clip shall indicate the center of the measured conductor.

5.1.3. Measure a covered conductor AC70V or more first.

5.1.4. Presence of live wires and phase sequence are indicated by LED indication and Buzzer sound as soon as connecting the clips.

5.2. Live wire check

- Do not touch the Clips during measurements to get accurate measurement.

5.3. Measurement Category

- Measurement Category

- Power off the instrument and remove the Measurement clip when the measured object is at risk of electrical shocks.

- Install batteries in correct polarity as indicated in the different symbols.

- Use the same model batteries from the same manufacturer.

- When the Power LED on the front side of the instrument is flashing, battery voltage is low. Replace batteries with new ones to continue further measurements.

- Low battery voltage may not measure accurately.

- The instrument is powered off automatically when batteries are exhausted.

- 1) Loosen the screw fixing the Battery compartment cover.

- 2) Slide the Battery compartment cover downwards to remove a battery.

- 3) Replace the batteries with new ones. Your four AA LR6 alkaline or equivalent 1.5V AA type batteries should be inserted.

- 4) Install the Battery compartment cover and tighten the screw.

- Brightness switch to make the LED indication brighter.

- Brightness of all the LEDs (except for the Power LED) is increased while pressing down the switch.

- The buzzer sounds intermittently (p-p-p)

- The buzzer sounds continuously (p-p-p)