1. Features

- Designed to meet international safety standards.
- CAT III 600V
- 0.01% accuracy of full scale value.
- Min./Max. function
- Large display

2. Function Measuring

- 1000A
- 600A
- 6.00M-60.00M
- KEW2046R KEW2056R
- CF=2.5@600A
- Peak 1500A
- 0-1000A
- Peak 1500A

3. Accuracy

- ±1.0% rdg ±3dgt
- ±5.5% rdg ±5dgt (500~1kHz)
- ±2.5% rdg ±10dgt

4. Backlighting

- ON/OFF switch
- Auto ranging
- Input impedance: approx. 10MΩ

5. Power source

- DC3V/ R03(UM-4) x 2pcs

6. Keys

- Functional construction:
- ±2.5% rdg ±10dgt

7. Storage temperature

- -4000 to 0.01nF

8. Accuracy

- ±5

9. Current consumption

- approx. 25 mA

10. Low battery warning

- "BATT" mark is displayed when the voltage is low.

11. Operating conditions

- Altitude 2000m or less. Appropriate operating environment.
- -20°C to 60°C
- Humidity 5% to 95%
- Pollution Degree 2

12. Protection

- CAT II environment
- For measurement in a CAT II environment, the accuracy is not guaranteed.
- CAT III environment
- For measurement in a CAT III environment, the accuracy is guaranteed.

13. Overload Protection

- 720A AC/ 10 sec@KEW2046R
- 1200A AC/ 10 sec@KEW2056R
- Voltage Range 720A AC/DC/10sec
- Resistance 600V AC/DC/10sec
- Winding resistance 6720V AC

14. Optional Accessories

- Carrying Case Model 9094 / 1pcs
- KEW SNAP Model 2055 / 1pcs

15. Preparation for measurement

1. Disconnect the instrument from the electrical circuit before opening the Battery Cover for Battery replacement.

2. Do not attempt to make measurement in the presence of flammable gases.

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15. Do not attempt to make measurement in the presence of flammable gases.
5. Measurement
5-1. AC Current Measurement

- **DANGER**
- Never make measurement on a circuit in which voltage over AC600V exists to avoid getting electric shock.
- Transformer jaw tips are designed not to short the circuit under test. If equipment under test has exposed conductive parts, however, extra precautions should be taken to avoid the possibility of shorting.
- Do not make measurements with the Battery Cover removed.
- Never contact the test leads from the instrument for current measurement.
- Keep your fingers and hands behind the barrier during measurement.

1. Set the Function Switch to "600A" or "1000A" position.
   - (Only KEW2046R) AC has been selected by default; press the SELECT key, then press the trigger to open the transformer jaws and change it to AC. AC mark is displayed at the upper left on the display.

2. With the transformer jaws open, connect the red test lead to V+/ or VCC terminal and the black test lead to COM terminal.

3. Connect the red and black test leads to the Anode and Cathode of the diode under test respectively.

4. Pressing the PEAK key at least 2 sec to reset the PEAK indication for Crest value is up to 1500A.

5. Resistance/ Diode/ Cont./ Capacity Measurement

- **DANGER**
- Never use the instrument on energized circuit.
- Do not make measurement with the Battery Cover removed.
- Keep your fingers and hands behind the protective finger guard.

1. Set the Function Switch to "Diode/Cont./Capacity" position.

2. Connect the red test lead to V+/ or VCC terminal and the black test lead to COM terminal.

3. Connect the test leads to the both ends of the resistor under test.

4. Take the reading on the display.

- **WARNING**
- Do not connect the PEAK key while reading is indicated on the display.

5. Battery Replacement

- **CAUTION**
- Install batteries in correct polarity as indicated in the Data Hold mode.

6. Over Information

- **WARNING**
- To avoid electrical damage to the instrument, refer to "OFF" and remove the test leads from the instrument leads immediately.

8. Maintenance

- **CAUTION**
- Do not mix old and new batteries.
- Use batteries in correct polarity as indicated in the Battery compartment.

5-2. DC Current Measurement

- **DANGER**
- Never measure current on a circuit in which voltage over DC500V exists to avoid getting electrical shock.
- Do not make measurement with the Battery Cover removed.
- Keep your fingers and hands behind the barrier during measurement.

1. Set the Function Switch to "600A" or "1000A" position.
   - (Only KEW2046R) AC has been selected by default; press the SELECT key, then press the trigger to open the transformer jaws and change it to DC. Only 600A is available on KEW2041R, 600A is displayed at the upper left on the display.

2. With the transformer jaws closed and without clamping the conductor, connect the red test lead to the positive (+) side of the circuit under test and the black test lead to the negative (-) side of the circuit under test.

3. Connect the red and black test leads to the Anode and Cathode of the diode under test respectively.

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

5. AC Voltage Measurement

- **DANGER**
- Never make measurement on a circuit in which voltage over AC500V exists to avoid getting electrical shock.
- Make measurement with the Battery Cover removed.
- Keep your fingers behind the protective finger guard.

1. Set the Function Switch to "ACV" position.

2. Connect the red test lead to the positive (+) terminal and the black test lead to COM terminal.

3. Connect the test leads to the both ends of the resistor under test.

4. Take the reading on the display.

- **CAUTION**
- If the connection is reversed, the display indicates the - mark.

5. AC Voltage Range

- **DANGER**
- Never make measurement on a circuit in which voltage over AC500V exists to avoid getting electrical shock.
- Make measurement with the Battery Cover removed.
- Keep your fingers behind the protective finger guard.

1. Set the Function Switch to "ACV" position.

2. Connect the red test lead to the positive (+) terminal and the black test lead to COM terminal.

3. Connect the test leads to the both ends of the resistor under test.

4. Take the reading on the display.

- **CAUTION**
- Even if short the test leads, indicated value may be non-zero.

5. Resistance

- **DANGER**
- Never use the instrument on energized circuit.
- Do not make measurement with the Battery Cover removed.
- Keep your fingers and hands behind the protective finger guard.

1. Set the Function Switch to "Ω/Diode/Cont./Capacity" position.

2. Connect the black test lead to COM terminal.

3. When the current flows from the upside (the polarity of the reading is positive and vice versa).

4. During current measurement, keep the Transformer jaw tips are designed not to short the exposed conductive parts, however, extra precautions should be taken not to short the circuit under test. If equipment under test has exposed conductive parts, however, extra precautions should be taken to avoid the possibility of shorting.

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

- **CAUTION**
- Make conductor size for KEW2046R is approx dia. 4.3~6.3 mm.

- **CAUTION**
- Transformer jaw tips are designed not to short the exposed conductive parts, however, extra precautions should be taken not to short the circuit under test. If equipment under test has exposed conductive parts, however, extra precautions should be taken to avoid the possibility of shorting.

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

- **CAUTION**
- Do not connect the PEAK key while reading is indicated on the display.

- **CAUTION**
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