Before starting to use the instrument, perform the following preliminary check for your safety.

- Check for any abnormalities or damages on the instrument.
- Press button to confirm LED light is turned on.
- Test on a known power supply to ensure the glow tip illuminates in red and buzzer beeps.
- The red light flashes quickly five times if the batteries need changing. Replace the old batteries with new ones to perform further use.
- Self-Function test
  This instrument performs self-function test when button is pressed. When abnormality is found at the test, it gives 3 short beeps, 3 long beeps, 3 short beeps (Morse code for SOS); the abnormality may be either temporary or permanent. Such an alert may be given when pressing the button while the instrument is sensing voltage. Stop using the instrument if buzzer produces SOS Morse code sound and verify proper operation on a known power supply.

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Abnormality is detected within the instrument.

1. Safety Warnings
   - This instrument has been designed, manufactured and tested according to the following safety standard and delivered in the best condition after passing quality control tests.
   - IEC61010-1
   - Measurement category CAT IV 600V / CAT III 1000V
   - Pollution degree 2
   - This instruction manual contains warnings and safety rules which must be observed by the user to ensure safe operation of the instrument and to maintain it in safe condition. Therefore, read these operating instructions before starting to use the instrument.
   - Keep the manual at hand to enable quick reference whenever necessary.
   - 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 this symbol appears in the manual.

2. Features
   - Senses AC voltage through insulation
   - Buzzer sounds and tip glows upon AC voltage detection
   - Powerful flashlight
   - Dual range (Hi/Lo) sensitivity
   - Ready to use without power-on
   - Designed to meet IEC61010-1

3. Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>KEW 5711</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating voltage</td>
<td>AC 90-1000 V (Lo sensitivity)</td>
</tr>
<tr>
<td>Frequency range</td>
<td>50 / 60 Hz</td>
</tr>
<tr>
<td>Operating temp. range</td>
<td>-10 to 50°C</td>
</tr>
<tr>
<td>Storage temp. range</td>
<td>-20 to 60°C</td>
</tr>
<tr>
<td>Use environment</td>
<td>Altitude: 2000m or less, indoor use</td>
</tr>
<tr>
<td>Safety standard</td>
<td>CAT IV 600V / CAT III 1000V</td>
</tr>
<tr>
<td>Power source</td>
<td>IEC 603 3RD size AAA battery x 3pcs</td>
</tr>
<tr>
<td>Battery life</td>
<td>Approx. 10 hours (with LR03 batteries)</td>
</tr>
<tr>
<td>Low battery warning</td>
<td>Glow tip quickly flashes in red five times</td>
</tr>
<tr>
<td>Dimension</td>
<td>153(L) x 20(W) x 23(H) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 450g (incl. batteries)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Instruction manual, batteries</td>
</tr>
</tbody>
</table>

4. Instrument Layout

5. Preliminary Check
   - Check for any abnormalities or damages on the instrument.
   - Press button to confirm LED light is turned on.
   - Test on a known power supply to ensure the glow tip illuminates in red and buzzer beeps.
   - The red light flashes quickly five times if the batteries need changing. Replace the old batteries with new ones to perform further use.
   - Self-Function test
     This instrument performs self-function test when button is pressed. When abnormality is found at the test, it gives 3 short beeps, 3 long beeps, 3 short beeps (Morse code for SOS); the abnormality may be either temporary or permanent. Such an alert may be given when pressing the button while the instrument is sensing voltage. Stop using the instrument if buzzer produces SOS Morse code sound and verify proper operation on a known power supply.

6. Operating Instructions

   - Hold the instrument firmly, and place the detector tip to a testing point such as energized metal part or cord jacket. In this case, keep the tip of the instrument parallel to the testing point. When voltage is detected, the tip will illuminate in red and buzzer sounds.

   - Press the button to turn on the LED light. Another press of the button turns off the light. After about 30 sec. of non-detection, the light automatically turns itself off.

7. Battery Replacement
   - Do not mix old and new batteries.
   - Do not insert batteries in incorrect polarity according to the engraving on the case.
   - Brand and type of batteries to be used should be harmonized.
   - Handle the case gently so as not to damage the metal contacts at the tip.

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