Measurement of RCD trip time
Conducting testing of rated residual non-operating currents at x 1/2 Range, measuring RCD trip time at x1 and x5 Ranges.

Measurement of trip out current
Measuring trip out current by varying current automatically.

Remote Test
Enabling a user to hold the Test Leads with his both hands by locking the Test Button. Measurement will automatically start when the main voltage is detected.

Voltage Measurement
Carrying out a constant measurement of voltage in the stand-by mode at each Range.

Auto-detection of Contact voltage
Detecting the voltage to earth of Earth electrodes or Protective conductors during RCD test – when applying test currents – at measurement using EARTH in order to prevent electrical shocks caused by the damaged earth. Measurement will be ceased at AC50V or more.

Dust- and Water-proof
Dust- and Water-proof construction (designed to IEC60529 IP54)

Backlight
Facilitating working at dimly illuminated locations.
Specifications

Measurement of RCD trip time - Measurement of trip out current:

<table>
<thead>
<tr>
<th>Range</th>
<th>x1</th>
<th>x1/2</th>
<th>AUTO RAMP [mA]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage</td>
<td>100V ±10%</td>
<td>200V ±32% / ±10%</td>
<td>400V ±10%</td>
</tr>
<tr>
<td>Test current</td>
<td>15/30/50/100mA</td>
<td>15/30/50/100/200/500mA</td>
<td>15/30/50/100/200/500mA</td>
</tr>
<tr>
<td>Measuring range</td>
<td>Testing time 200ms</td>
<td>Testing time 2000ms</td>
<td>Testing time 2000ms</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±1%rdgs ±3dgt</td>
<td>±1%rdgs ±3dgt</td>
<td>±1%rdgs ±3dgt</td>
</tr>
<tr>
<td>Test Current</td>
<td>±2% ±8% rdgt</td>
<td>±2% ±8% rdgt</td>
<td>±8% ±2% rdgt</td>
</tr>
</tbody>
</table>

Voltage Measurement:

<table>
<thead>
<tr>
<th>Measure range</th>
<th>80V ~ 450V (50/60Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>±2% ±4dgt</td>
</tr>
</tbody>
</table>

Applicable Standard:

IEC61010-1 Pollution degree 2 CAT.II 300V / CAT.II 400V
IEC61010-031
IEC61557-1-8
IEC60529 (IP54)

Display:

1999 counts (3.1/2 digits), Large LCD

Operating temperature & humidity:

0°C ~ 40°C, relative humidity 85% (no condensation)

Storage temperature & humidity:

-20°C ~ 60°C, relative humidity 85% (no condensation)

Withstand Voltage:

AC3700V / 1 min (between electrical circuit and enclosure)

Insulation resistance:

50MΩ or more / 1000V (between electrical circuit and enclosure)

Sleep Function:

1. Automatically enters Sleep mode in 3 min after the last switch operation (current consumption 75μA).
2. This function doesn't work at voltage measurements.
3. To exit from the Sleep mode, set the Function switch to OFF position once, and re-set it to the Range at which a measurement to be conducted.
4. Backlight turns on in 1 min after it lights up.

Power Source:

DC12V / Size AA battery R6P (SUM-3) x 6pcs

Dimension:

186 (L) x 167 (W) x 89 (D) mm

Weight:

Approx. 965g (including batteries)

Possible number of Measurements:

1200 times or more (measure every 30sec at x1/2 Range, ±Δn ±100mA)

Accessories:

7128 (Test lead)
7129 (Test lead with alligator clip)
8017 (Long pin) x 2
Cord case, Strap belt, Instruction manual, Size AA battery R6P (SUM-3) x 6pcs

Neutral - Line

Connect the “PRIMARY” of the Connector Block to the Neutral of the power of RCD, and the “SECONDARY” of the Connector Block to the Line of the load of RCD.

Line - Line

Connect the “PRIMARY” of the Connector Block to L2 of the power of RCD, and the “SECONDARY” of the Connector Block to L1 of the load of RCD.

Earth - Line

Connect the “PRIMARY” of the Connector Block to Earth, and the “SECONDARY” of the Connector Block to Line of the load of RCD.

Safety Warnings:

Please read the “Safety Warnings” in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

For inquiries or orders:

http://www.kew-ltd.co.jp

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

No.5-20, Nakane 2-chome, Meguro-ku,
Tokyo, 152-0031 Japan
Phone: 81-3-3723-0131
Fax: 81-3-3723-0152
E-mail: info@kew-ltd.co.jp
Factories: Uwajima & Ehime