1. SPECIFICATION

1) GENERAL CHARACTERISTICS
Measuring Method: Dual-Slope integration A/D converter system
Display Method: LCD display
Maximum Display: 1999 counts (3 Vi digits) with automatic polarity indication
Over-range Indication: "1" figure only in the display
Low-Battery Indication: automatic Low-Battery detect, the symbol '1+5" will display
Measurement Rate: updates 2^3 sec
Zero Adjust: manual-zeroing, about ± 20pF
Operating Temperature: 0°C~40°C 0~80% R.H.
Storage temperature: -10°C—(-50°C 0~70% R.H.
Power Supply: 9v battery (IEC 6F22, NEDA 1604, JIS 006p)
Dimensions: 191L X 89W X 35H mm
Accessories: test leads (pair), Operator’s Manual

2) ELECTRICAL SPECIFICATION (23±5°C, below 80% R.H.)
Accuracy is given as ± (% of maximum reading + number of least significant digits)

<table>
<thead>
<tr>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
<th>Test Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>200pF</td>
<td>0.1 pF</td>
<td>± (0.5%Cm+6dgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>2000pF</td>
<td>1pF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>20nF</td>
<td>10pF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>200nF</td>
<td>100pF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>2uF</td>
<td>1nF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>20uF</td>
<td>10nF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>800Hz</td>
</tr>
<tr>
<td>200uF</td>
<td>100nF</td>
<td>± (0.5%Cm+ldgt)</td>
<td>80Hz</td>
</tr>
<tr>
<td>2000uF</td>
<td>1uF</td>
<td>± (1.0%Cm+ldgt)</td>
<td>8Hz</td>
</tr>
<tr>
<td>20mF</td>
<td>10uF</td>
<td>± (2.0%Cm+ldgt)</td>
<td>8Hz</td>
</tr>
</tbody>
</table>

2. METHOD OF MEASUREMENT

1) PRECAUTIONS AND PREPARATIONS FOR MEASUREMENT
• Be sure that battery and fuse are correctly placed.
• The tested capacitor should be discharged before the testing procedure.
• The polarity of tested capacitor must be same to the input terminal.
• Note: never apply voltage to the input terminal, serious damage maybe result.
• Dot short-circuit two input terminal, or will loss power energy and over-range.
• If the value of tested capacitor is unknown before test, set the Function-range switch to the lowest range and work up.

2) MEASURING
• Set the Function-range to the properly range.
• Measuring the low capacitor, please adjust “ZERO ADJ” for reading accuracy.
• Connect the test capacitor to the input socket or the test leads.
• When only the figure “1” is displayed, over range is being indicated and the Function-range switch has be set to a higher range; When the figure “0” displayed at seniority, set the Function-range to a lower range for higher resolution and accuracy.

NOTE:
^ If the test capacitor is a short capacitor, it will be over-range and only figure “1” is displayed; soaking-out capacitor, the reading will high it’s value; open-circuit capacitor, will displayed “0”. (maybe=10pF at the 200pF range)
^ Display value will fluctuated, if a soaking-out capacitor connected.
Φ* If use other leads measure capacitor, leads will appear a value, please keep in mind before measure; it would be substrate from displayed value.