Engineering Specifications

Product : Battery Tester

Customer :

Customer No. :

Model No. : BT-0503

Design No. :

Date : June 6, 2008

Customer Approval

<table>
<thead>
<tr>
<th>Signature</th>
<th>Approval Date</th>
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Approval

<table>
<thead>
<tr>
<th>Revision</th>
<th>Prepared by</th>
<th>Reviewed by</th>
<th>Approved by</th>
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<tbody>
<tr>
<td>1.0</td>
<td>Miles Wang</td>
<td></td>
<td>William Ho</td>
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# Revision History and Deviation

## 0.1 Revision History

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<tr>
<th>Revision</th>
<th>Date</th>
<th>By</th>
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<td>1.0</td>
<td>Jun 6, 2008</td>
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<td>New release</td>
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## 0.2 Notice of Deviation

<table>
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<th>Customer Request</th>
<th>Samples Deviation</th>
<th>Mass production</th>
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Notice of items to be completed before mass production

<table>
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<tr>
<th>Description</th>
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<td>BT-0503</td>
<td>Jun 6, 2008</td>
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<td>2/5</td>
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1 **Functions**
Tests the following battery types
- 1.5V AA/AAA/C/D dry batteries
- 1.2V AA/AAA/C/D rechargeable Ni-MH/Ni-Cd
- 9V rechargeable Ni-MH Ni-Cd or dry batteries

2 **Environmental Conditions**
2.1 Operating temperature: 0° to 40°
2.2 Storage temperature: -20° to 60°

3 **Safety Standards**
CE

4 **3 LEDs Indicator**
4.1 **ALL LEDS off**: This indicates the battery is **exhausted** (AA/AAA/C/D : 0.9V / 9V : 5.4V ± 10% and should be **Replaced** or **Recharged** immediately.
4.2 **RED LED on**: This indicates the battery is **almost exhausted**. (AA/AAA/C/D : 0.9 1.1V / 9V : 5.4 7.1V ± 10%) and should be **Replaced** or **Recharged** immediately.
4.3 **YELLOW LED on**: This indicates the battery capacity is **Weak** (AA/AAA/C/D : 1.2 1.3V / 9V : 7.2 8.3V ± 10%) and should be **Replaced** or **Recharged** soon.
4.4 **GREEN LED on**: This indicates the battery condition is **Good**. (AA/AAA/C/D : 1.4 1.7V / 9V : 8.4 10.2V ± 10%)

5 **Testing Modes**
5.1 **AA or AAA size**: Dry battery (1.5V) or Ni-MH Ni-Cd.(1.2V) rechargeable battery capacity test

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5.2 C or D Size: Dry battery (1.5V) or Ni-MH Ni-Cd (1.2V) rechargeable battery capacity test

5.3 9V block: Dry battery or Ni-MH Ni-Cd rechargeable battery capacity test

6 Cautions
6.1 This tester is for indoor use only.
6.2 Do not drop or place heavy weights on it.
6.3 Children should use the unit only under adult supervision.
6.4 Test batteries within a temperature range of 0°C - +40°C
6.5 Do not expose the unit to direct sunlight, heat or place next to battery power switches.
6.6 Do not disassemble or reassemble the unit.

7 Mechanical Drawings

8 Nameplate

[Diagram of the device]

Print directly on the housing surface

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