CC Series Measures and Characterizes the Charging, Discharging, Cyclic Life Performance and Efficiency for assessment of design and quality compliance during manufacturing.
The features of CC Series allow complete flexibility to program charging and discharging profiles as per appropriate test standards. It comes with the ability to perform constant current or constant voltage charge and constant current or constant power discharge cycles. The models offered in CC Series allow testing of the full range of motorcycle batteries to those used UPS systems. A microprocessor controlled constant voltage-constant current charger and MOSFET based high-precision constant current discharger enables testing of batteries with a high accuracy and repeatability. The features of CC Series allow complete flexibility to program charging and discharging profiles as per appropriate test standards. It comes with the ability to perform constant current or constant voltage charge and constant current or constant power discharge cycles. In-built factory test setups facilitate even an untrained operator to carry out tests quickly and efficiently. All models are equipped with a large LCD display, which shows various menus, in-test parameters, as well as ambient and battery temperatures. It has the ability to store multiple reports and is able to retain vital data in case of power failure. The CC series of Cycle Life Testers are designed to conduct tests on all kinds of batteries as per various IS Standards. The computer connectivity and data analysis software is capable of generating and sequencing tests, saving and retrieving test results and printing test reports which can be analyzed for quality compliance. The software facilitates uploading of test data from the instrument to a PC for viewing present as well as past test results in a graphical and tabular form. Crest Technology has a strong technical support team and provides service personnel in all leading cities.

### Measurements
- Starting Voltage
- End Voltage
- Starting Time
- End Time
- Test Current
- Charge in AH
- Charge in WH
- Ambient Temperature
- Battery Temperature
- Capacity in AH
- Capacity in WH
- Watt-hour Efficiency
- Ampere-hour Efficiency
- Loss of Capacity
- Cyclic Efficiency
- Discharging Power

### Controlled Parameters
- Charging Current in CC
- Charging Voltage in CV
- Discharging Current in CC
- Discharging Power in CP
- Charging AH
- Charging Time
- Discharging AH
- Discharging Time
- Upper Terminal Voltage
- Lower Terminal Voltage
- Limit Current
- Charging Rest Time
- Discharging Rest Time
- No. of Cycles

### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Range (AH)</th>
<th>Max. Charging Current (A)</th>
<th>Max. Discharging Current (A)</th>
<th>Constant Charging Voltage (V)</th>
<th>Constant Discharging Power (W)</th>
<th>Cycles</th>
<th>Dimensions (W x D x H) (in/cm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC 40</td>
<td>2.5-40</td>
<td>4</td>
<td>10</td>
<td>18</td>
<td>105</td>
<td>1000</td>
<td>12.6(32) x 16.9(43) x 3.5(9)</td>
<td>6</td>
</tr>
<tr>
<td>CC 200</td>
<td>30-200</td>
<td>20</td>
<td>50</td>
<td>18</td>
<td>505</td>
<td>1000</td>
<td>12.6(32) x 16.9(43) x 7(18)</td>
<td>10</td>
</tr>
</tbody>
</table>

Voltage Resolution : 0.1V | Current Resolution : 10mA | Temperature Resolution : 0.1° Celsius | AH Resolution: 0.1AH | Time Resolution : 1min | Accuracy: 0.2% of full scale ±2 counts.

### Options
- Port for connecting external Dot-matrix printer
- RS 232-C compatible serial port for communication with external PC, along with Analysis Software.
- Remote Display Terminal

### System Specifications
- Input Power: Single phase, 230V AC ±10%, 50 Hz
- Operating Environment: Typical shop-floor environment, 50° Celsius, 90% RH
- Ventilation: Forced air-cooled
- Conformance: DIN 61010 for safety and DIN 61326 for EMC
- Software compatible with Windows 7, Vista and XP operating systems